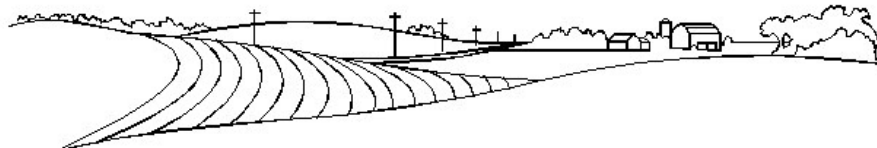
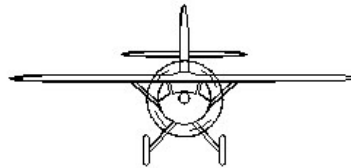


**RECREATIONAL PILOT
AND
PRIVATE PILOT
KNOWLEDGE TEST GUIDE**



October 2015



INTRODUCTION

FAA-G-8082-17, dated October 2015, Recreational and Private Pilot Knowledge Test Guide, provides information for preparing you to take one or all of the following airman knowledge tests. This document supersedes all previously dated FAA-G-8082-17 versions.

<u>Test Name</u>	<u>Test Code</u>
Recreational Pilot—Airplane	RPA
Recreational Pilot—Helicopter	RPH
Recreational Pilot—Gyroplane	RPG
Private Pilot—Airplane/Recreational Pilot—Transition	PAT
Private Pilot—Helicopter/Recreational Pilot—Transition	PHT
Private Pilot—Gyroplane/Recreational Pilot—Transition	PGT
Private Pilot—Airplane	PAR
Private Pilot Canadian Conversion—Airplane	PCP
Private Pilot—Helicopter	PRH
Private Pilot—Gyroplane	PRG
Private Pilot—Glider	PGL
Private Pilot—Balloon—Hot Air	PBH
Private Pilot—Balloon—Gas	PBG
Private Pilot—Airship	PLA
Private Pilot—Powered Parachute	PPP
Private Pilot—Weight-Shift Control	PWS

Federal Aviation Administration (FAA) airman knowledge tests are effective instruments for aviation safety and regulation compliance measurement. However, these tests can only sample the vast amount of knowledge every pilot needs to operate safely in the National Airspace System (NAS).

Comments may be e-mailed to AFS630Comments@faa.gov.

KNOWLEDGE TEST ELIGIBILITY REQUIREMENTS

If you are pursuing a Recreational Pilot or Private Pilot Certificate, you should review Title 14 of the Code of Federal Regulations (14 CFR) part 61, section 61.23, Medical Certificates: Requirement and Duration; 14 CFR part 61, section 61.35, Knowledge Test: Prerequisites and Passing Grades.

If you are pursuing a Student, Recreational, or Private Pilot Certificate, you should review 14 CFR part 61, section 61.83, 61.96, 61.103 respectively. Applicability and Eligibility Requirements: General, for additional detailed information pertaining to eligibility.

For a summary of knowledge test eligibility requirements for all certification areas listed above, refer to the FAA Airman Knowledge Testing Authorization Matrix located at: http://www.faa.gov/training_testing/testing/media/testing_matrix.pdf

KNOWLEDGE AREAS ON THE TESTS

Recreational pilot and private pilot tests are designed to test your knowledge in many subject areas.

If you are pursuing a Recreational, Private Pilot Certificate or added rating, you should closely examine and understand 14 CFR part 61, section 61.97 or 61.105 respectively, Aeronautical Knowledge, for the applicable knowledge areas.

DESCRIPTIONS OF THE TESTS

All test questions are the objective, multiple-choice type. Each question can be answered by the selection of a single response. Each test question is independent of other questions; therefore, a correct response to one does not depend upon, or influence, the correct response to another. **The minimum passing score is 70 percent.**

The following tests contain 50 questions each, and you are allowed 2 hours to complete each test.

- Recreational Pilot—Airplane
- Recreational Pilot—Helicopter
- Recreational Pilot—Gyroplane

The following tests contain 30 questions each, and you are allowed 1 hour and 30 minutes to complete each test.

- Private Pilot—Airplane/Recreational Pilot—Transition
- Private Pilot—Helicopter/Recreational Pilot—Transition
- Private Pilot—Gyroplane/Recreational Pilot—Transition

The following tests contain 60 questions each, and you are allowed 2 hours and 30 minutes to complete each test.

- Private Pilot—Airplane
- Private Pilot—Helicopter
- Private Pilot—Gyroplane
- Private Pilot—Glider
- Private Pilot—Balloon—Hot Air
- Private Pilot—Balloon—Gas
- Private Pilot—Airship
- Private Pilot—Powered Parachute
- Private Pilot—Weight-Shift Control

The following tests contain 40 questions each, and you are allowed 2 hours to complete each test.

- Private Pilot Canadian Conversion—Airplane

TEST REGISTRATION

The FAA has designated two Airman Knowledge Testing (AKT) Organization Designation Authorization (ODA) Holders, which sponsor hundreds of knowledge testing center locations. These testing centers offer a full range of airman knowledge tests including: Aircraft Dispatcher, Airline Transport Pilot, Aviation Maintenance Technician, Commercial Pilot, Flight Engineer, Flight Instructor, Flight Navigator, Ground Instructor, Inspection Authorization, Instrument Rating, Parachute Rigger, Private Pilot, Recreational Pilot, Sport Pilot and Military Competence. Contact information for the AKT ODA Holders is provided below under Knowledge Test Centers.

The first step in taking a knowledge test is the registration process. You may either call a central registration phone number or appear at a testing center on a walk-in basis. If you choose to use a central registration phone number to schedule your test, you will need to be prepared to select a test date, choose a testing center, and make financial arrangements for test payment. You may register for tests several weeks in advance, and you may cancel your appointment according to the AKT ODA Holder's cancellation policy. If you do not follow the AKT ODA Holder's cancellation policies, you could be subject to a cancellation fee.

APPLICANT IDENTIFICATION AND TEST AUTHORIZATION

The next step in taking a knowledge test is providing proper identification. You should determine what knowledge test prerequisites are necessary before going to the computer-testing center. Your instructor or local FAA Flight Standards District Office (FSDO) may advise you regarding the documentation required to be presented at the testing facility. Testing center personnel will not begin the test until your identification and eligibility is verified.

Acceptable forms of authorization and retesting procedures are available in the latest version of the Applicant Identification, Information, Verification, & Authorization Requirements Matrix located at: http://www.faa.gov/training_testing/testing/media/testing_matrix.pdf

TEST TAKING TIPS

Prior to launching the actual test, the AKT ODA Holder's testing software will provide you with an opportunity to practice navigating through the test. This practice (or tutorial) session may include a "sample" question(s). These sample questions have no relation to the content of the test, but are meant to familiarize you with the look and feel of the system screens, including selecting an answer, marking a question for later review, time remaining for the test, and other features of the testing software.

When taking a test, keep the following points in mind:

- Carefully read the instructions given with the test.
- Answer each question in accordance with the latest regulations and guidance publications.
- Read each question carefully before looking at the answer options. You should clearly understand the problem before attempting to solve it.
- After formulating an answer, determine which answer option corresponds with your answer. The answer you choose should completely resolve the problem.
- From the answer options given, it may appear that there is more than one possible answer; however, there is only one answer that is correct and complete. The other answers are either incomplete, erroneous, or derived from popular misconceptions.

- If a certain question is difficult for you, it is best to mark it for review and proceed to the next question. After you answer the less difficult questions, return to those you marked for review and answer them. The review marking procedure will be explained to you prior to starting the test. Although the computer should alert you to unanswered questions, make sure every question has an answer recorded. This procedure will enable you to use the available time to maximum advantage.
- When solving a calculation problem, select the answer that most nearly matches your solution. The problem has been checked by various individuals and with different types of calculators; therefore, if you have solved it correctly, your answer will be closer to the correct answer than any of the other choices.
- For graph type questions, the applicant may request a printed copy of the graph on which they may actually draw and write to compute the answer. The applicant must turn in all paper work upon completion of the test.

USE OF TEST AIDS AND MATERIALS

You may use aids, reference materials, and test materials within the guidelines listed below, if actual test questions or answers are not revealed. All models of aviation-oriented calculators may be used, including small electronic calculators that perform only arithmetic functions (add, subtract, multiply, and divide). Simple programmable memories, which allow addition to, subtraction from, or retrieval of one number from the memory, are permissible. Also, simple functions, such as square root and percent keys are permissible.

The following guidelines apply:

1. You may use any reference materials provided with the test. In addition, you may use scales, straightedges, protractors, plotters, navigation computers, log sheets, and electronic or mechanical calculators that are directly related to the test.
2. Manufacturer's permanently inscribed instructions on the front and back of such aids (e.g., formulas, conversions, regulations, signals, weather data, frequencies, weight-and-balance formulas) are permissible.
3. Testing centers may provide a calculator to you and/or deny use of your personal calculator based on the following limitations:
 - a. Prior to, and upon completion of the test, while in the presence of the Unit Member (formerly referred to as proctor), you must actuate the ON/OFF switch and perform any other function that ensures erasure of any data stored in memory circuits.
 - b. The use of electronic calculators incorporating permanent or continuous type memory circuits without erasure capability is prohibited. The Unit Member may refuse the use of your calculator when unable to determine the calculator's erasure capability.
 - c. Printouts of data must be surrendered at the completion of the test if the calculator incorporates this design feature.
 - d. The use of magnetic cards, magnetic tapes, modules, computer chips, or any other device upon which pre-written programs or information related to the test can be stored and retrieved is prohibited.
 - e. You are not permitted to use any booklet or manual containing instructions related to use of test aids.
4. Dictionaries are not allowed in the testing area.
5. The Unit Member makes the final determination relating to test materials and personal possessions you may take into the testing area.

TESTING PROCEDURES FOR APPLICANTS REQUESTING SPECIAL ACCOMMODATIONS

If you are an applicant with a learning or reading disability, you may request approval from AFS-630, through the local FSDO or IFO, to take an airman knowledge test using one of the three options listed below, in preferential order:

- Option 1. Use current testing facilities and procedures whenever possible.
- Option 2. You may use a self-contained, electronic device which pronounces and displays typed-in words (e.g., the Franklin Speaking Wordmaster®) to facilitate the testing process. (NOTE: The device should consist of an electronic thesaurus that audibly pronounces typed-in words and presents them on a display screen. The device should also have a built-in headphone jack for private listening in order to avoid disturbing others during testing.)
- Option 3. If you do not choose to use the first or second option, you may request Unit Member assistance in reading specific words or terms from the test questions and/or supplement book. In the interest of preventing compromise of the testing process, the Unit Member must be an individual with no aviation background or expertise. The Unit Member must provide reading assistance only, with no explanation of words or terms. When this option is requested, the FSDO or IFO inspector must contact the Airman Testing Standards Branch (AFS-630) for assistance in selecting the test site and assisting Unit Member.

Prior to approval of any option, the FSDO or IFO Aviation Safety Inspector must advise you of the regulatory certification requirement of being able to read, write, speak, and understand the English language.

CHEATING OR OTHER UNAUTHORIZED CONDUCT

Computer testing centers must follow strict security procedures to avoid test compromise. These procedures are established by the FAA and are covered in FAA Order 8080.6 (as amended), Conduct of Airman Knowledge Tests. The FAA has directed testing centers to terminate a test at any time a test Unit Member suspects a cheating incident has occurred. An FAA investigation will then be conducted. If the investigation determines that cheating or unauthorized conduct has occurred, then any airman certificate or rating that you hold may be revoked, and you may be prohibited for 1 year from applying for or taking any test for a certificate or rating under 14 CFR part 61.

LEARNING STATEMENTS

Learning statements, as used in airman knowledge testing, refer to a measurable level of knowledge a student should be able to demonstrate following a defined element of training. The most current Learning Statement Reference Guide for Airman Knowledge Testing is online at:

http://www.faa.gov/training_testing/testing/media/LearningStatementReferenceGuide.pdf

We provide learning statements to help instructors and students become more familiar with the areas of knowledge applicable to the airman training, learning, studying, and testing processes.

Beyond serving as a useful reference in preparing for your airman knowledge test, the Learning Statement Reference Guide will assist you and your instructor in interpreting any learning statement codes that may appear on your Airman Knowledge Test Report. You will receive a test report immediately upon completion of the test. This report will list learning statement codes for any questions you may have answered incorrectly. You and your instructor should match the codes on the test report to the information in the Learning Statement Reference Guide in order to obtain the corresponding areas of knowledge deficiency.

Your instructor may be required to provide instruction on each of the areas of deficiency, and to provide a logbook or training record endorsement certifying you have demonstrated satisfactory knowledge in each area. Also, you must present the *original* Airman Knowledge Test Report to the examiner conducting your practical test. During the practical test, the examiner will refer to the learning codes and statements to evaluate your knowledge in the noted areas of deficiency.

REQUESTING YOUR TEST BE HAND-SCORED

If you wish to have your test hand-scored, you must submit a request, in the form of a signed letter, to the Airman Testing Standards Branch, AFS-630. The request must be accompanied by a copy of your Airman Knowledge Test Report and a legible photocopy of a government issued identification with your photograph and signature. Mail or fax this information to: (e-Mail requests are not accepted due to security issues.)

Federal Aviation Administration
Airman Testing Standards Branch, AFS-630
P.O. Box 25082
Oklahoma City, OK 73125
Or Fax to: 405 954-4748

Note: If you have comments regarding test questions, test procedures, or supplemental material content, please email AFS-630 at: AFS630Comments@faa.gov.

AIRMAN KNOWLEDGE TEST REPORTS

Upon completion of the knowledge test, you will receive your Airman Knowledge Test Report, which reflects your score. The test report will be stamped with the testing center's raised/embossed seal.

The Airman Knowledge Test Report must be presented to the examiner prior to taking the practical test. During the oral portion of the practical test, the examiner is required to evaluate the noted areas of deficiency.

Should you require a duplicate Airman Knowledge Test Report due to loss or destruction of the original, send a signed request accompanied by a check or money order for \$1.00, payable to the FAA. Send the request to:

Federal Aviation Administration
Airmen Certification Branch, AFS-760
P.O. Box 25082
Oklahoma City, OK 73125

Airman Knowledge Test Reports are valid for the 24-calendar month period following the month you complete the practical test. **If the Airman Knowledge Test Report expires before completion of the practical test, you must retake the knowledge test.**

TRAINING AND TESTING PUBLICATIONS AND GENERAL INFORMATION

Most of the current Flight Standards Service airman training and testing publications can be obtained in electronic format from the FAA Website, www.faa.gov. The training and testing publications and general information can be found on the opening page of that Website under the Training and Testing tab. If a publication is not available in electronic format, there are instructions for obtaining paper copies. Information found on the Website includes the following:

- Advisory Circulars
- Airworthiness Directives
- Code of Federal Regulations
- Computer Testing Supplements
- Knowledge Test Centers
- Sample Knowledge Test questions
- Knowledge Test Statistics
- Learning Statement Reference Guide
- Practical Test Standards
- Training Handbooks
- Type Certificate Data Sheets

Advisory Circulars

Advisory circulars (ACs) provide guidance and information on various subjects related to airman certification.

Airworthiness Directives

Airworthiness Directives (ADs) are notifications to aircraft owners of a known safety deficiency with a specific model of aircraft, engine, avionics, or other system.

Code of Federal Regulations

The portion of 14 CFR containing what was formerly known as the Federal Aviation Regulations can be found on the Website. 14 CFR contains regulations designed to promote aviation safety, and govern all aviation activities in the United States.


Computer Testing Supplements


The knowledge testing supplements contain the graphics, legends, and maps that are needed to successfully respond to certain knowledge test items. ODA test center personnel will provide these supplements during the airman knowledge test. You can review them prior to testing at: <http://www.faa.gov/pilots/testing/supplements/>. Marking in the supplement book is prohibited; however, you may request a photo copy of any figure either before or during your exam. This marked or unmarked copy must be returned to the proctor at the end of the exam.

Knowledge Test Centers

The Knowledge Test Centers portion of the Website contains current listings of Airman Knowledge Testing (AKT) Organization Designation Authorization (ODA) Holders and other testing centers, and the registration telephone numbers to call to register for a test.

The following is a list of the ODA holders authorized to give FAA airman knowledge tests. This list should be helpful in case you choose to register for a test or simply want more information.

 [Computer Assisted Testing Service \(CATS\)](#)
777 Mariners Island Blvd., Suite 200
San Mateo, CA 94404
Applicant inquiry and test registration: 1-800-947-4228
From outside the U.S. (650) 259-8550

 [PSI](#)
16821 SE McGillivray Blvd., Suite 201
Vancouver, WA 98683
Applicant inquiry and test registration: 1-800-211-2753 or 1-800-211-2754
From outside the U.S. (360) 896-9111

Knowledge Test Questions

Sample questions are located in the Airman Knowledge Test Questions section of the Website and represent the types of questions included in the actual test banks. Practicing these questions will help you become familiar with similar questions on the airman knowledge tests. The knowledge test is not designed to intimidate any prospective airman; it is designed to measure an applicant's understanding of the rules, regulations and knowledge areas required to receive an FAA certificate.

Knowledge Test Statistics

Test statistics for all airman knowledge tests are contained in a series of tables organized by year and subject area. Individual tables are provided for the following subject areas: test volume, pass rates, average test scores, countries, regions, and district offices.

Practical Test Standards

The practical test standards outline the knowledge and skill requirements for each airman certificate and rating. The references listed in each task of the practical test standards indicate the specific publications used to develop the skill standards. The ability to issue immediate changes prior to publishing revised printed copies ensures the practical test standards are always accurate and usable.

Training Handbooks

The training handbooks are the basic information sources an airman applicant should refer to when preparing for the knowledge and practical tests for a specific certificate or rating.

Classification Code

Topic, Content and Specific (TCS) codes listed in this guide are NOT a description of the Learning Statement Codes (LSC) found in the 'Learning Statement Reference Guide for Airman Knowledge Testing' document, but are a hierarchical sequence of classification codes placing a question in a unique category. FAA knowledge test question development uses the following hierarchy:

- Topic— Overall subject matter topic code. The highest classification of overall subject matter a knowledge test item was developed to assess (e.g., Aerodynamics).
- Content—Secondary level subject matter code (e.g., Airspeed).
- Specific— the basic hierarchical classification code the subject matter for a knowledge test item (e.g., Thrust).

References Appendix

The knowledge tests for Private and Recreational Pilot exams are based on the following references.

- 14 CFR part 1 Definitions and Abbreviations
- 14 CFR part 39 Airworthiness Directives
- 14 CFR part 43 Maintenance, Preventive Maintenance, Rebuilding, and Alteration
- 14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors
- 14 CFR part 71 Designation of Class A, B, C, D, and E Airspace Areas; Air Traffic Service Routes
- 14 CFR part 91 General Operating and Flight Rules
- 49 CFR part 830 Notification and Reporting of Aircraft Accidents
- AC 00-45 - Aviation Weather Services
- AC 00-6 - Aviation Weather
- AC 20-43 - Aircraft Fuel Control
- AC 60-22 - Aeronautical Decision Making
- AC 90-48 - Pilots` Role in Collision Avoidance
- AC 91-13 - Cold Weather Operation of Aircraft
- Aeronautical Information Manual
- Airport/Facility Directory
- FAA-H-8083-1 - Aircraft Weight and Balance Handbook
- FAA-H-8083-11 - Balloon Flying Handbook
- FAA-H-8083-13 - Glider Flying Handbook
- FAA-H-8083-2 - Risk Management Handbook
- FAA-H-8083-21 - Helicopter Flying Handbook
- FAA-H-8083-21 - Rotorcraft Flying Handbook
- FAA-H-8083-25 - Pilot`s Handbook of Aeronautical Knowledge
- FAA-H-8083-29 - Powered Parachute Flying Handbook
- FAA-H-8083-3A - Airplane Flying Handbook
- FAA-H-8083-5 - Weight-Shift Control Aircraft Flying Handbook
- FAA-H-8261-1 - Instrument Procedures Handbook
- FAA-P-8740-39 - Balloon Safety Tips
- Navy Lighter-Than-Air Airship Flight Manual
- Sectional Aeronautical Chart
- www.faa.gov - Search for ACs

Note: The latest revision of these references should be used.

RECREATIONAL PILOT—AIRPLANE (RPA)
Sample Questions

RECREATIONAL PILOT—AIRPLANE (RPA)

1. As pilot in command with a recreational certificate, you must have in your personal possession while exercising the privileges of that certificate

- A—a current logbook endorsement for an accomplished flight review.
- B—a current pilot and medical certificate.
- C—a pilot logbook documenting recent experience requirements.

Answer: B.

Learning Statement: Recall regulations—privileges / limitations of pilot certificates.

2. What is one purpose of wing flaps?

- A—To enable the pilot to make steeper approaches to a landing without increasing the airspeed.
- B—To relieve the pilot of maintaining continuous pressure on the controls.
- C—To decrease wing area to vary the lift.

Answer: A.

Learning Statement: Recall secondary flight controls—types/purpose/functionality.

3. When there is a temperature inversion, you would expect to experience

- A—clouds with extensive vertical development above an inversion aloft
- B—good visibility in the lower levels of the atmosphere and poor visibility above an inversion aloft.
- C—an increase in temperature as altitude increases.

Answer: C.

Learning Statement: Recall inversion layer - characteristics

4. You plan to phone a weather briefing facility for preflight weather information. You should

- A—provide the number of occupants on board.
- B—identify yourself as a pilot.
- C—begin with your route of flight.

Answer: B.

Learning Statement: Recall weather reporting systems - briefings / forecasts / reports / AWOS / ASOS.

5. What action can a pilot take to aid in cooling an engine that is overheating during a climb?

- A—Reduce rate of climb and increase airspeed.
- B—Reduce climb speed and increase RPM.
- C—Increase climb speed and increase RPM.

Answer: A.

Learning Statement: Recall powerplant—controlling engine temperature.

LIST OF REFERENCE MATERIALS SPECIFIC TO THE RECREATIONAL PILOT—AIRPLANE KNOWLEDGE TEST (RPA)

<i>Topic</i>	<i>Content</i>	<i>Specific</i>
PLT003 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge Weight and Balance	Center of Gravity	Stability
PLT008 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge Aircraft Performance	Computations	Landing Distance
PLT011 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge Aircraft Performance	Computations	Takeoff Distance
PLT012 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge Navigation	Pilotage	Calculations
PLT013 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge Aircraft Performance	Computations	Crosswind
PLT021 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge Weight and Balance	Center of Gravity	Computations
PLT023 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge Aircraft Systems	Flight Instruments	Altimeter
PLT026 AC 00-45 - Aviation Weather Services Weather	Aeronautical Weather Reports	Aviation Routine Weather Reports (METAR)
PLT039 Aeronautical Information Manual Airport Operations	Marking / Signs	Segmented Circle
PLT040 Sectional Aeronautical Chart Navigation	Pilotage	Airspace
PLT044 14 CFR part 91 General Operating and Flight Rules Regulations	14CFR Part 91	Two-Way Radio Communications
PLT059 AC 00-45 - Aviation Weather Services Weather	Aeronautical Weather Reports	Aviation Routine Weather Reports (METAR)
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge Weather	Aeronautical Weather Reports	Aviation Routine Weather Reports (METAR)
PLT064 Aeronautical Information Manual Airport Operations	Uncontrolled	Radio Communications
Airspace	Controlled	Class E
Airspace	Special Use	MOA
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge Airspace	Other	Military Training Routes
Navigation	Pilotage	Aeronautical Charts
Navigation	Pilotage	Calculations
Sectional Aeronautical Chart Navigation	Pilotage	Aeronautical Charts
Publications	Airport Facility Directory	Parachute Jumping
PLT068 AC 00-45 - Aviation Weather Services Weather	Charts / Maps	Significant Weather Prognostic Charts
PLT071 AC 00-45 - Aviation Weather Services Weather	Charts / Maps	Weather Depiction Charts
PLT072 AC 00-45 - Aviation Weather Services Weather	Aeronautical Weather Reports	Terminal Aerodrome Forecasts (TAF)

PLT075[AC 00-45 - Aviation Weather Services](#)

Weather Charts / Maps

Weather Depiction Charts

PLT077[Aeronautical Information Manual](#)

Airport Operations Marking / Signs

Airport Markings

Airport Operations Marking / Signs

Displaced Threshold

Airport Operations Marking / Signs

Traffic Pattern

[FAA-H-8083-3 - Airplane Flying Handbook](#)

Publications Airport Facility Directory

Arrival

PLT088[FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge](#)

Aircraft Systems Flight Instruments

Airspeed Indicator

PLT092[FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge](#)

Weight and Balance Center of Gravity

Computations

PLT097[FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge](#)

Human Factors Aeromedical Factors

Carbon Monoxide Poisoning

PLT101[FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge](#)

Navigation Pilotage

Calculations

[Sectional Aeronautical Chart](#)

Navigation Pilotage

Aeronautical Charts

Navigation Pilotage

Airspace

Publications Aeronautical Charts

[Sectional Aeronautical Charts](#)**PLT112**[FAA-H-8083-3 - Airplane Flying Handbook](#)

Airport Operations Taxiing

Flight Controls

PLT121[FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge](#)

Weight and Balance Center of Gravity

Computations

PLT123[FAA-H-8083-21 - Rotorcraft Flying Handbook](#)

Flight Operations Climb

Speed

PLT124[FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge](#)

Aircraft Performance Computations

Density Altitude

PLT125[Aeronautical Information Manual](#)

Flight Operations Normal Procedures

Scan

PLT127[FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge](#)

Aircraft Performance Computations

Density Altitude

PLT131[FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge](#)

Aircraft Performance Atmospheric Effects

Ground Effect

PLT133[FAA-H-8083-3 - Airplane Flying Handbook](#)

Flight Operations Climb

Speed

PLT141[Aeronautical Information Manual](#)

Airport Operations Marking / Signs

Direction Signs

Airport Operations Marking / Signs

Taxiway

PLT161[14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors](#)

Regulations 14CFR Part 61

Privileges and Limitations

[14 CFR part 71 Designation of Class A, B, C, D, and E Airspace Areas; Air Traffic Service Routes](#)

Regulations 14CFR Part 71

Airspace

[Airport/Facility Directory](#)

Publications Airport Facility Directory

Airport Remarks

[Sectional Aeronautical Chart](#)

Airspace Uncontrolled

Class G

PLT163		
14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors		
Regulations	14CFR Part 61	Privileges and Limitations
14 CFR part 91 General Operating and Flight Rules		
Regulations	14CFR Part 91	Airspace
Regulations	14CFR Part 91	Class D Operations
PLT166		
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Aircraft Systems	Flight Instruments	Altimeter
PLT167		
AC 00-6 - Aviation Weather		
Weather	Meteorology	Pressure
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Aircraft Systems	Flight Instruments	Altimeter
PLT190		
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Aircraft Systems	Powerplant	Carburetor
PLT191		
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Aircraft Systems	Powerplant	Carburetor
PLT194		
Aeronautical Information Manual		
Human Factors	Aeromedical Factors	Fitness for Flight
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Human Factors	Aeromedical Factors	Spatial Disorientation
PLT200		
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Navigation	Pilotage	Calculations
PLT213		
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Aerodynamics	Stability / Control	Longitudinal Stability
Aerodynamics	Stability / Control	Stability
PLT215		
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Aircraft Systems	Flight Instruments	Magnetic Compass
PLT249		
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Aircraft Systems	Powerplant	Mixture Control
PLT253		
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Aircraft Systems	Powerplant	Mixture Control
PLT278		
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Aircraft Systems	Flight Instruments	Airspeed Indicator
PLT289		
AC 00-45 - Aviation Weather Services		
Weather	Charts / Maps	Weather Depiction Charts
PLT290		
AC 00-45 - Aviation Weather Services		
Weather	Aeronautical Weather Forecasts	AIRMETS/SIGMETS
Weather	Hazardous	Thunderstorms
Aeronautical Information Manual		
Weather	Aeronautical Weather Forecasts	SIGMETS
PLT301		
AC 00-6 - Aviation Weather		
Weather	Meteorology	Moisture
Weather	Meteorology	Temperature
PLT309		
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Aerodynamics	Load Factor	Flight Maneuvers
Aerodynamics	Load Factor	Steep Turns
PLT311		
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Aerodynamics	Load Factor	Airspeed

PLT312 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge Aerodynamics	Load Factor	Stalling Speed
PLT324 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge Aircraft Systems	Powerplant	Oil System
PLT328 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge Weight and Balance	Aircraft Loading	Limitations
PLT337 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge Aircraft Systems	Pitot / Static	Airspeed Indicator
Aircraft Systems	Pitot / Static	Blockage
PLT343 FAA-H-8083-3 - Airplane Flying Handbook Aircraft Systems	Powerplant	Lubrication
PLT345 AC 00-6 - Aviation Weather Weather	Meteorology	Pressure
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge Weather	Meteorology	Pressure
PLT351 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge Aerodynamics	Stability / Control	Downwash
Aircraft Systems	Propeller	Efficiency
PLT366 49 CFR part 830 Notification and Reporting of Aircraft Accidents Regulations	NTSB Part 830	Immediate Notification to NTSB
Regulations	NTSB Part 830	Incident Reports
Regulations	NTSB Part 830	Preservation of Aircraft Wreckage
PLT371 14 CFR part 1 Definitions and Abbreviations Regulations	14CFR Part 1	Certification of Aircraft
Regulations	14CFR Part 1	Certification of Airmen
PLT374 14 CFR part 91 General Operating and Flight Rules Regulations	14CFR Part 91	Airworthiness
PLT376 Aeronautical Information Manual Airspace	Other	Wildlife Refuges
PLT387 14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors Regulations	14CFR Part 61	Change of Address
PLT393 Aeronautical Information Manual Airspace	Special Use	MOA
Airspace	Special Use	Restricted Areas
PLT399 14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors Regulations	14CFR Part 61	Inspection of Certificate
Regulations	14CFR Part 61	Pilot Certificate
PLT411 14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors Regulations	14CFR Part 61	PIC Recent Flight Experience
PLT442 14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors Regulations	14CFR Part 61	Flight Review
Regulations	14CFR Part 61	Privileges and Limitations
PLT444 Aeronautical Information Manual Airspace	Special Use	Alert Areas
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge Airport Operations	Preflight	Pilot Responsibility

PLT445		
AC 00-45 - Aviation Weather Services		
Weather	Aeronautical Weather Reports	Weather Briefings
Aeronautical Information Manual		
Weather	Aeronautical Weather Reports	Weather Briefings
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Airport Operations	Preflight	Pilot Responsibility
PLT446		
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Regulations	14CFR Part 43	Preventive Maintenance
PLT447		
14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors		
Regulations	14CFR Part 61	Medical Certificates
PLT448		
14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors		
Regulations	14CFR Part 61	Privileges and Limitations
PLT467		
14 CFR part 91 General Operating and Flight Rules		
Regulations	14CFR Part 91	Airspace
Regulations	14CFR Part 91	Flight Rules General
PLT473		
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Aircraft Systems	Flight Controls / Secondary	Flaps
PLT477		
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Aerodynamics	Stall / Spins	Stalls
PLT479		
FAA-H-8083-3 - Airplane Flying Handbook		
Aircraft Systems	Powerplant	Engine Starting
PLT484		
Sectional Aeronautical Chart		
Navigation	Dead Reckoning	Aeronautical Charts
PLT486		
FAA-H-8083-3 - Airplane Flying Handbook		
Airport Operations	Taxiing	Flight Controls
PLT493		
AC 00-6 - Aviation Weather		
Weather	Meteorology	Moisture
PLT495		
AC 00-6 - Aviation Weather		
Weather	Meteorology	Thunderstorms
PLT506		
14 CFR part 1 Definitions and Abbreviations		
Regulations	14CFR Part 1	V Speeds
PLT509		
Aeronautical Information Manual		
Airport Operations	Wake Turbulence	Strength
Airport Operations	Wake Turbulence	Vortex Avoidance
Flight Operations	Wake Turbulence	Vortex Avoidance
Flight Operations	Wake Turbulence	Vortex Behavior
PLT512		
AC 00-6 - Aviation Weather		
Weather	Meteorology	Moisture
PLT514		
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Weather	Aeronautical Weather Reports	Weather Briefings
PLT516		
FAA-H-8083-3 - Airplane Flying Handbook		
Airport Operations	Taxiing	Flight Controls

RECREATIONAL PILOT—ROTORCRAFT/HELICOPTER (RPH)
Sample Questions

RECREATIONAL PILOT—ROTORCRAFT/HELICOPTER (RPH)

1. What exception, if any, permits a recreational pilot to act as pilot in command of an aircraft carrying a passenger for hire?

- A—If the passenger pays no more than the operating expenses.
- B—If a donation is made to a charitable organization for the flight.
- C—There is no exception.

Answer: C.

Learning Statement: Recall regulations—privileges/limitations of pilot certificates.

2. The lift differential that exists between the advancing main rotor blade and the retreating main rotor blade is known as

- A—transverse flow effect.
- B—dissymmetry of lift.
- C—hunting tendency.

Answer: B.

Learning Statement: Recall forces acting on aircraft—aerodynamics.

3. The amount of water vapor which air can hold depends on the

- A—dewpoint.
- B—air temperature.
- C—stability of the air.

Answer: B.

Learning Statement: Recall weather conditions—temperature/moisture/dewpoint.

4. When telephoning a weather briefing facility for preflight weather information, pilots should state the

- A—full name and address of the pilot in command.
- B—intended route, destination, and type of aircraft.
- C—radio frequencies to be used.

Answer: B.

Learning Statement: Recall weather reporting systems—briefings/forecasts/reports.

5. What action should the pilot take if engine failure occurs at altitude?

- A—Open the throttle as the collective pitch is raised.
- B—Reduce cyclic back stick pressure during turns.
- C—Lower the collective pitch control, as necessary, to maintain rotor RPM.

Answer: C.

Learning Statement: Recall emergency conditions/procedures.

LIST OF REFERENCE MATERIALS SPECIFIC TO THE RECREATIONAL PILOT – ROTOTCRAFT/HELICOPTER (RPH)

<i>Topic</i>	<i>Content</i>	<i>Specific</i>
PLT003 FAA-H-8083-1 - Aircraft Weight and Balance Handbook Weight and Balance	Center of Gravity	Computations
PLT005 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge Aircraft Performance	Computations	Density Altitude
PLT012 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge Navigation	Pilotage	Calculations
PLT021 FAA-H-8083-1 - Aircraft Weight and Balance Handbook Weight and Balance	Center of Gravity	Computations
PLT027 FAA-H-8083-21A - Helicopter Flying Handbook Aerodynamics	Principles of Flight	Coning
PLT040 Sectional Aeronautical Chart Navigation	Pilotage	Airspace
PLT059 AC 00-45 - Aviation Weather Services Weather	Aeronautical Weather Reports	Aviation Routine Weather Reports (METAR)
PLT064 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge Airspace Navigation Navigation	Other Pilotage Radio	Military Training Routes Calculations VOR
PLT068 AC 00-45 - Aviation Weather Services Weather	Charts / Maps	Significant Weather Prognostic Charts
PLT072 AC 00-45 - Aviation Weather Services Weather Weather	Aeronautical Weather Forecasts Aeronautical Weather Reports	Terminal Aerodrome Forecasts (TAF) Terminal Aerodrome Forecasts (TAF)
PLT075 AC 00-45 - Aviation Weather Services Weather	Charts / Maps	Weather Depiction Charts
PLT090 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge Navigation	Radio	VOR
PLT101 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge Navigation Sectional Aeronautical Chart Navigation Publications	Radio Pilotage Pilotage Aeronautical Charts	VOR Aeronautical Charts Airspace Sectional Aeronautical Charts
PLT112 FAA-H-8083-21A - Helicopter Flying Handbook Aircraft Systems Airport Operations Flight Operations	Flight Controls / Primary Taxiing Maneuvers	Collective Pitch Taxiing Helicopter
PLT120 FAA-H-8083-21A - Helicopter Flying Handbook Aerodynamics	Principles of Flight	Retreating Blade Stall
PLT129 FAA-H-8083-21A - Helicopter Flying Handbook Flight Operations	Takeoff	Helicopter
PLT131 FAA-H-8083-21 - Rotorcraft Flying Handbook Aircraft Performance	Atmospheric Effects	Ground Effect

PLT141		
Aeronautical Information Manual		
Airport Operations	Lighting	Rotating Beacon
Airport Operations	Marking / Signs	Direction Signs
PLT161		
14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors		
Regulations	14CFR Part 61	Privileges and Limitations
14 CFR part 71 Designation of Class A, B, C, D, and E Airspace Areas; Air Traffic Service Routes		
Regulations	14CFR Part 71	Airspace
Airport/Facility Directory		
Publications	Airport Facility Directory	Airport Remarks
Sectional Aeronautical Chart		
Airspace	Uncontrolled	Class G
PLT163		
14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors		
Regulations	14CFR Part 61	Privileges and Limitations
14 CFR part 91 General Operating and Flight Rules		
Regulations	14CFR Part 91	Airspace
Regulations	14CFR Part 91	Class D Operations
PLT165		
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Aircraft Systems	Flight Instruments	Altimeter
PLT167		
AC 00-6 - Aviation Weather		
Weather	Meteorology	Pressure
PLT169		
FAA-H-8083-21A - Helicopter Flying Handbook		
Flight Operations	Emergency Procedures	Approach / Landing
PLT170		
FAA-H-8083-21 - Rotorcraft Flying Handbook		
Flight Operations	Landing	Slope
PLT173		
AC 00-6 - Aviation Weather		
Weather	Meteorology	Stability
PLT175		
FAA-H-8083-21 - Rotorcraft Flying Handbook		
Flight Operations	Emergency Procedures	Helicopter
PLT192		
AC 00-6 - Aviation Weather		
Weather	Meteorology	Clouds
Weather	Meteorology	Stability
PLT194		
Aeronautical Information Manual		
Human Factors	Aeromedical Factors	Fitness for Flight
PLT197		
FAA-H-8083-21A - Helicopter Flying Handbook		
Aerodynamics	Principles of Flight	Coriolis Effect
PLT199		
FAA-H-8083-21A - Helicopter Flying Handbook		
Aerodynamics	Principles of Flight	Flight Controls
PLT215		
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Aircraft Systems	Flight Instruments	Magnetic Compass
PLT221		
FAA-H-8083-21A - Helicopter Flying Handbook		
Flight Operations	Maneuvers	Advanced
PLT222		
FAA-H-8083-21A - Helicopter Flying Handbook		
Aerodynamics	Performance	Helicopter
PLT226		
AC 00-6 - Aviation Weather		
Weather	Meteorology	Fog
PLT242		
FAA-H-8083-21A - Helicopter Flying Handbook		
Aerodynamics	Principles of Flight	Helicopter Forward Flight

PLT285		
FAA-H-8083-21A - Helicopter Flying Handbook		
Flight Operations	Maneuvers	Basic
FAA-H-8083-21 - Rotorcraft Flying Handbook		
Aircraft Performance	Computations	Height / Velocity
PLT289		
AC 00-45 - Aviation Weather Services		
Weather	Charts / Maps	Weather Depiction Charts
PLT328		
FAA-H-8083-1 - Aircraft Weight and Balance Handbook		
Weight and Balance	Center of Gravity	Computations
PLT335		
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Navigation	Radio	VOR
PLT366		
49 CFR part 830 Notification and Reporting of Aircraft Accidents		
Regulations	NTSB Part 830	Immediate Notification to NTSB
PLT393		
Aeronautical Information Manual		
Airspace	Special Use	MOA
PLT442		
14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors		
Regulations	14CFR Part 61	Privileges and Limitations
PLT448		
14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors		
Regulations	14CFR Part 61	Privileges and Limitations
PLT470		
FAA-H-8083-21A - Helicopter Flying Handbook		
Aerodynamics	Principles of Flight	Coriolis Effect
Aerodynamics	Principles of Flight	Retreating Blade Stall
FAA-H-8083-21 - Rotorcraft Flying Handbook		
Flight Operations	Emergency Procedures	Tail Rotor
PLT472		
FAA-H-8083-21A - Helicopter Flying Handbook		
Flight Operations	Emergency Procedures	Main Rotor
PLT486		
FAA-H-8083-21A - Helicopter Flying Handbook		
Flight Operations	Takeoff	Helicopter
PLT493		
AC 00-6 - Aviation Weather		
Weather	Meteorology	Moisture
PLT495		
AC 00-6 - Aviation Weather		
Weather	Meteorology	Thunderstorms
PLT509		
Aeronautical Information Manual		
Airport Operations	Wake Turbulence	Strength
Airport Operations	Wake Turbulence	Vortex Avoidance
PLT512		
AC 00-6 - Aviation Weather		
Weather	Meteorology	Moisture

**RECREATIONAL PILOT—ROTORCRAFT/GYROPLANE (RPG)
Sample Questions**

RECREATIONAL PILOT—ROTORCRAFT/GYROPLANE (RPG)

1. A recreational pilot may fly as sole occupant of an aircraft at night while under the supervision of a flight instructor provided the flight or surface visibility is at least

- A—3 miles.
- B—4 miles.
- C—5 miles.

Answer: C.

Learning Statement: Recall regulations—pilot qualifications/privileges/responsibilities.

2. What precaution should be taken while taxiing a gyroplane?

- A—The cyclic stick should be held in the neutral position at all times.
- B—Avoid abrupt control movements when blades are turning.
- C—The cyclic stick should be held slightly aft of neutral at all times.

Answer: B.

Learning Statement: Recall taxiing/takeoff—techniques/procedures.

3. What are characteristics of unstable air?

- A—Turbulence and good surface visibility.
- B—Turbulence and poor surface visibility.
- C—Nimbostratus clouds and good surface visibility.

Answer: A.

Learning Statement: Recall weather—causes/formation.

4. When telephoning a weather briefing facility for preflight weather information, pilots should state

- A—the full name and address of the formation commander.
- B—that they possess a current pilot certificate.
- C—whether they intend to fly VFR only.

Answer: C.

Learning Statement: Recall weather reporting systems—briefings/forecasts/reports.

5. A below glide slope indication from a tri-color VASI is a

- A—red light signal.
- B—pink light signal.
- C—green light signal.

Answer: A.

Learning Statement: Recall airport operations—visual glideslope indicators.

LIST OF REFERENCE MATERIALS SPECIFIC TO THE RECREATIONAL PILOT—ROTORCRAFT/GYROPLANE (RPG)

<i>Topic</i>	<i>Content</i>	<i>Specific</i>
PLT008 FAA-H-8083-21 - Rotorcraft Flying Handbook Aircraft Performance	Computations	Landing Distance
PLT012 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge Navigation	Pilotage	Calculations
PLT013 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge Aircraft Performance	Computations	Crosswind
PLT021 FAA-H-8083-21 - Rotorcraft Flying Handbook Weight and Balance	Center of Gravity	Computations
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge Weight and Balance	Center of Gravity	Computations
PLT027 FAA-H-8083-21A - Helicopter Flying Handbook Aerodynamics	Principles of Flight	Coning
PLT040 Sectional Aeronautical Chart Navigation	Pilotage	Airspace
PLT059 AC 00-45 - Aviation Weather Services Weather	Aeronautical Weather Reports	Aviation Routine Weather Reports (METAR)
PLT064 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge Airspace	Other	Military Training Routes
Navigation	Pilotage	Calculations
Sectional Aeronautical Chart Navigation	Pilotage	Aeronautical Charts
PLT068 AC 00-45 - Aviation Weather Services Weather	Charts / Maps	Significant Weather Prognostic Charts
PLT072 AC 00-45 - Aviation Weather Services Weather	Aeronautical Weather Forecasts	Terminal Aerodrome Forecasts (TAF)
Weather	Aeronautical Weather Reports	Terminal Aerodrome Forecasts (TAF)
PLT090 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge Navigation	Radio	VOR
PLT101 Sectional Aeronautical Chart Navigation	Pilotage	Aeronautical Charts
Navigation	Pilotage	Airspace
Publications	Aeronautical Charts	Sectional Aeronautical Charts
PLT103 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge Human Factors	ADM	Hazardous Attitude
PLT120 FAA-H-8083-21 - Rotorcraft Flying Handbook Aerodynamics	Principles of Flight	Retreating Blade Stall
PLT131 FAA-H-8083-21 - Rotorcraft Flying Handbook Aircraft Performance	Atmospheric Effects	Ground Effect
PLT141 Aeronautical Information Manual Airport Operations	Marking / Signs	Taxiway

PLT161		
14 CFR part 71 Designation of Class A, B, C, D, and E Airspace Areas; Air Traffic Service Routes		
Regulations	14CFR Part 71	Airspace
Aeronautical Information Manual		
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Airport/Facility Directory		
Publications	Airport Facility Directory	Airport Remarks
Sectional Aeronautical Chart		
Airspace	Uncontrolled	Class G
PLT163		
14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors		
Regulations	14CFR Part 61	Privileges and Limitations
14 CFR part 91 General Operating and Flight Rules		
Regulations	14CFR Part 91	Airspace
Regulations	14CFR Part 91	Class D Operations
PLT165		
AC 00-6 - Aviation Weather		
Weather	Meteorology	Temperature
PLT190		
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Aircraft Systems	Powerplant	Carburetor Heat
PLT194		
Aeronautical Information Manual		
Human Factors	Aeromedical Factors	Fitness for Flight
PLT199		
FAA-H-8083-21A - Helicopter Flying Handbook		
Aerodynamics	Principles of Flight	Flight Controls
PLT215		
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Aircraft Systems	Flight Instruments	Magnetic Compass
PLT225		
Aeronautical Information Manual		
Navigation	Pilotage	Flight Plan
PLT242		
FAA-H-8083-21 - Rotorcraft Flying Handbook		
Aerodynamics	Principles of Flight	Dissymmetry of Lift
PLT263		
AC 00-6 - Aviation Weather		
Weather	Meteorology	Thunderstorms
PLT265		
FAA-H-8083-21 - Rotorcraft Flying Handbook		
Flight Operations	Emergency Procedures	Ground Resonance
PLT271		
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Human Factors	ADM	Judgement
PLT284		
AC 00-45 - Aviation Weather Services		
Weather	Aeronautical Weather Forecasts	Wind and Temperature Aloft Forecast
PLT285		
FAA-H-8083-21 - Rotorcraft Flying Handbook		
Aircraft Performance	Computations	Height / Velocity
PLT290		
AC 00-45 - Aviation Weather Services		
Weather	Aeronautical Weather Forecasts	AIRMETS/SIGMETS
Weather	Hazardous	Thunderstorms
PLT301		
AC 00-6 - Aviation Weather		
Weather	Meteorology	Temperature
PLT334		
Aeronautical Information Manual		
Human Factors	Aeromedical Factors	Spatial Disorientation
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Human Factors	Aeromedical Factors	Spatial Disorientation
PLT351		
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Aircraft Systems	Propeller	Efficiency

PLT366		
	49 CFR part 830 Notification and Reporting of Aircraft Accidents	
Regulations	NTSB Part 830	Immediate Notification to NTSB
Regulations	NTSB Part 830	Incident Reports
PLT371		
	14 CFR part 1 Definitions and Abbreviations	
Regulations	14CFR Part 1	Certification of Aircraft
PLT374		
	14 CFR part 91 General Operating and Flight Rules	
Regulations	14CFR Part 91	Aircraft Return to Service
Regulations	14CFR Part 91	Airworthiness Certificate
PLT393		
	Aeronautical Information Manual	
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PLT442		
	14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors	
Regulations	14CFR Part 61	Flight Review
Regulations	14CFR Part 61	Privileges and Limitations
PLT444		
	FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge	
Airport Operations	Preflight	Pilot Responsibility
PLT445		
	FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge	
Airport Operations	Preflight	Pilot Responsibility
PLT446		
	14 CFR 43	
Regulations	14CFR Part 43	Preventive Maintenance
	FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge	
Regulations	14CFR Part 43	Preventive Maintenance
PLT447		
	14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors	
Regulations	14CFR Part 61	Medical Certificates
PLT448		
	14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors	
Regulations	14CFR Part 61	Privileges and Limitations
PLT455		
	Aeronautical Information Manual	
Navigation	Pilotage	Flight Plan
PLT467		
	14 CFR part 91 General Operating and Flight Rules	
Regulations	14CFR Part 91	Flight Rules General
PLT495		
	AC 00-6 - Aviation Weather	
Weather	Meteorology	Thunderstorms
PLT506		
	14 CFR part 1 Definitions and Abbreviations	
Regulations	14CFR Part 1	V Speeds
PLT511		
	AC 00-6 - Aviation Weather	
Weather	Meteorology	Fronts
PLT514		
	AC 00-45 - Aviation Weather Services	
Weather	Aeronautical Weather Reports	Weather Briefings
	FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge	
Weather	Aeronautical Weather Reports	Weather Briefings

**PRIVATE PILOT—AIRPLANE/RECREATIONAL PILOT—TRANSITION (PAT)
Sample Questions**

PRIVATE PILOT—AIRPLANE/RECREATIONAL PILOT—TRANSITION (PAT)

1. In addition to other preflight actions for a VFR flight away from the vicinity of the departure airport, regulations specifically require the pilot in command to

A—review traffic control light signal procedures.

B—check the accuracy of the navigation equipment and the emergency locator transmitter (ELT).

C—determine runway lengths at airports of intended use and the aircraft's takeoff and landing distance data.

Answer: C.

Learning Statement: Recall regulations—preflight requirements.

2. While cruising at 9,500 feet MSL, the fuel/air mixture is properly adjusted. What will occur if a descent to 4,500 feet MSL is made without readjusting the mixture?

A—The fuel/air mixture may become excessively lean.

B—There will be more fuel in the cylinders than is needed for normal combustion and the excess fuel will absorb heat and cool the engine.

C—The excessively rich mixture will create higher cylinder head temperatures and may cause detonation.

Answer: A.

Learning Statement: Recall fuel—air mixture.

3. If a flight is made from an area of low pressure into an area of high pressure without the altimeter setting being adjusted, the altimeter will indicate

A—the actual altitude above sea level.

B—higher than the actual altitude above sea level.

C—lower than the actual altitude above sea level.

Answer: C.

Learning Statement: Recall atmospheric conditions—measurements/pressure/stability.

4. Preventative maintenance has been performed on an aircraft. What paperwork is required?

A—A full, detailed description of the work done must be entered in the airframe logbook.

B—The date the work was completed, and the name of the person who did the work must be entered in the airframe and engine logbook.

C—The signature, certificate number, and kind of certificate held by the person approving the work and a description of the work must be entered in the aircraft maintenance records.

Answer: C.

Learning Statement: Recall regulations—preventative maintenance.

5. What action can a pilot take to aid in cooling an engine that is overheating during a climb?

A—Reduce rate of climb and increase airspeed.

B—Reduce climb speed and increase RPM.

C—Increase climb speed and increase RPM.

Answer: A.

Learning Statement: Recall powerplant - controlling engine temperature.

LIST OF REFERENCE MATERIALS SPECIFIC TO THE PRIVATE PILOT—AIRPLANE/RECREATIONAL PILOT—TRANSITION (PAT)

<i>Topic</i>	<i>Content</i>	<i>Specific</i>
PLT012		
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Aircraft Performance	Computations	Cruise
Navigation	Pilotage	Calculations
Navigation	Radio	VOR
PLT040		
Aeronautical Information Manual		
Airspace	Controlled	Class B
Sectional Aeronautical Chart		
Navigation	Pilotage	Airspace
PLT044		
14 CFR part 91 General Operating and Flight Rules		
Regulations	14CFR Part 91	Two-Way Radio Communications
Aeronautical Information Manual		
Airport Operations	Tower Controlled	Ground Operations
PLT064		
AC 00-45 - Aviation Weather Services		
Navigation	Pilotage	Aeronautical Charts
Aeronautical Information Manual		
Airspace	Controlled	Class E
Sectional Aeronautical Chart		
Navigation	Pilotage	Airspace
PLT099		
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Flight Operations	Night	Scan
PLT101		
Sectional Aeronautical Chart		
Navigation	Pilotage	Aeronautical Charts
Navigation	Pilotage	Airspace
Publications	Aeronautical Charts	Sectional Aeronautical Charts
PLT103		
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Human Factors	ADM	Hazardous Attitude
PLT119		
FAA-H-8083-3 - Airplane Flying Handbook		
Flight Operations	Collision Avoidance	Aircraft Position Lights
PLT141		
Aeronautical Information Manual		
Airport Operations	Marking / Signs	Direction Signs
Airport Operations	Marking / Signs	Runway
Airport Operations	Marking / Signs	Taxiway
FAA-H-8083-3 - Airplane Flying Handbook		
Airport Operations	Lighting	Taxiway
PLT147		
Aeronautical Information Manual		
Airport Operations	Lighting	VASI

PLT161		
14 CFR part 71 Designation of Class A, B, C, D, and E Airspace Areas; Air Traffic Service Routes		
Regulations	14CFR Part 71	Airspace
14 CFR part 91 General Operating and Flight Rules		
Regulations	14CFR Part 91	Airspace
Regulations	14CFR Part 91	Special VFR
Aeronautical Information Manual		
Airspace	Controlled	Class C
Airspace	Controlled	Class D
Airport/Facility Directory		
Publications	Airport Facility Directory	Airport Remarks
Sectional Aeronautical Chart		
Airspace	Controlled	Class C
Airspace	Uncontrolled	Class G
PLT163		
14 CFR part 91 General Operating and Flight Rules		
Regulations	14CFR Part 91	Airspace
Regulations	14CFR Part 91	Class D Operations
PLT221		
FAA-H-8083-3 - Airplane Flying Handbook		
Aerodynamics	Principles of Flight	Landings
PLT235		
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Aerodynamics	Principles of Flight	Forces Acting on Aircraft
PLT271		
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Human Factors	ADM	Judgement
PLT289		
AC 00-45 - Aviation Weather Services		
Weather	Charts / Maps	Weather Depiction Charts
PLT312		
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Aerodynamics	Load Factor	Stalling Speed
PLT351		
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Aircraft Systems	Propeller	Adjustable-Pitch
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14 CFR part 91 General Operating and Flight Rules		
Regulations	14CFR Part 91	Special VFR
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14 CFR part 91 General Operating and Flight Rules		
Regulations	14CFR Part 91	Airspace
PLT395		
14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors		
Regulations	14CFR Part 61	High Performance
PLT427		
14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors		
Regulations	14CFR Part 61	Medical Certificates
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14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors		
Regulations	14CFR Part 61	PIC Recent Flight Experience
PLT444		
14 CFR part 91 General Operating and Flight Rules		
Regulations	14CFR Part 91	Preflight Actions
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14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors		
Regulations	14CFR Part 61	Medical Certificates
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14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors		
Regulations	14CFR Part 61	Privileges and Limitations

PLT451

[14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors](#)

Regulations 14CFR Part 61 Privileges and Limitations

PLT465

[14 CFR part 91 General Operating and Flight Rules](#)

Regulations 14CFR Part 91 PIC Responsibility / Authority

Regulations 14CFR Part 91 Seat Belts

PLT468

[14 CFR part 91 General Operating and Flight Rules](#)

Regulations 14CFR Part 91 Airspace

PLT497

[14 CFR part 91 General Operating and Flight Rules](#)

Regulations 14CFR Part 91 Airspace

[Aeronautical Information Manual](#)

Aircraft Systems Avionics Transponder

PLT506

[14 CFR part 1 Definitions and Abbreviations](#)

Regulations 14CFR Part 1 V Speeds

**PRIVATE PILOT—HELICOPTER/RECREATIONAL PILOT—TRANSITION (PHT)
Sample Questions**

PRIVATE PILOT—HELICOPTER/RECREATIONAL PILOT—TRANSITION (PHT)

1. Under what conditions, if any, may a private pilot operate a helicopter under special VFR at night within Class D airspace?

- A—The helicopter must be fully instrument equipped and the pilot must be instrument rated.
- B—The flight visibility must be at least 1 mile.
- C—There are no conditions; regulations permit this.

Answer: C. Learning Statement: Recall regulations—visual flight rules and limitations.

2. When must the battery in an emergency locator transmitter (ELT) be replaced (or changed if the battery is rechargeable)?

- A—After one-half the battery's useful life.
- B—During each annual and 100-hour inspection.
- C—Every 24 calendar months.

Answer: A.

Learning Statement: Recall regulations—ELT requirements.

3. One weather phenomenon which will always occur when flying across a front is a change in the

- A—wind direction.
- B—type of precipitation.
- C—stability of the air mass.

Answer: A.

Learning Statement: Recall weather associated with frontal activity/air masses.

4. The correct method of stating 4,500 feet MSL to ATC is

- A—"FOUR THOUSAND FIVE HUNDRED."
- B—"FOUR POINT FIVE."
- C—"FORTY-FIVE HUNDRED FEET MSL."

Answer: C.

Learning Statement: Effective communication—basic elements.

5. Which initial action should a pilot take prior to entering Class C airspace?

- A—Contact approach control on the appropriate frequency.
- B—Contact the tower and request permission to enter.
- C—Contact the FSS for traffic advisories.

Answer: A.

Learning Statement: Recall airspace classes—limits/requirements/restrictions/airspeeds/equipment.

LIST OF REFERENCE MATERIALS SPECIFIC TO THE PRIVATE PILOT—HELICOPTER/RECREATIONAL PILOT—TRANSITION (PHT)

<i>Topic</i>	<i>Content</i>	<i>Specific</i>
PLT003 FAA-H-8083-1 - Aircraft Weight and Balance Handbook Weight and Balance	Center of Gravity	Computations
PLT005 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge Aircraft Performance	Computations	Density Altitude
PLT012 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge Navigation	Pilotage	Calculations
Navigation	Radio	VOR
PLT044 Aeronautical Information Manual Airport Operations	Tower Controlled	Ground Operations
PLT059 AC 00-45 - Aviation Weather Services Weather	Aeronautical Weather Reports	Aviation Routine Weather Reports (METAR)
PLT064 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge Navigation	Radio	VOR
Sectional Aeronautical Chart Navigation	Pilotage	Airspace
PLT077 Aeronautical Information Manual Airport Operations	Marking / Signs	Airport Markings
PLT099 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge Flight Operations	Night	Scan
PLT101 Sectional Aeronautical Chart Navigation	Pilotage	Aeronautical Charts
Navigation	Pilotage	Airspace
Publications	Aeronautical Charts	Sectional Aeronautical Charts
PLT103 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge Human Factors	ADM	Hazardous Attitude
PLT104 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge Human Factors	ADM	Operational Pitfalls
PLT119 FAA-H-8083-3 - Airplane Flying Handbook Flight Operations	Collision Avoidance	Aircraft Position Lights
PLT124 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge Aircraft Performance	Computations	Density Altitude
PLT141 Aeronautical Information Manual Airport Operations	Marking / Signs	Direction Signs
Airport Operations	Marking / Signs	Runway
FAA-H-8083-3 - Airplane Flying Handbook Airport Operations	Lighting	Taxiway

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14 CFR part 71 Designation of Class A, B, C, D, and E Airspace Areas; Air Traffic Service Routes		
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14 CFR part 91 General Operating and Flight Rules		
Regulations	14CFR Part 91	Airspace
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14 CFR part 91 General Operating and Flight Rules		
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Aeronautical Information Manual		
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AC 00-6 - Aviation Weather		
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Weather	Aeronautical Weather Forecasts	SIGMETs
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Aeronautical Information Manual		
Weather	Aeronautical Weather Reports	Weather Briefings
PLT334		
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Human Factors	Aeromedical Factors	Spatial Disorientation
PLT335		
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
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14 CFR part 91 General Operating and Flight Rules		
Regulations	14CFR Part 91	ATC Clearances
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14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors		
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PLT442		
14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors		
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FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
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PLT495		
AC 00-6 - Aviation Weather		
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PLT497		
Aeronautical Information Manual		
Aircraft Systems	Avionics	Transponder

**PRIVATE PILOT—GYROPLANE/RECREATIONAL PILOT—TRANSITION (PGT)
Sample Questions**

PRIVATE PILOT—GYROPLANE/RECREATIONAL PILOT—TRANSITION (PGT)

1. Except in Alaska, during what time period should lighted position lights be displayed on an aircraft?

- A—End of evening civil twilight to the beginning of morning civil twilight.
- B—1 hour after sunset to 1 hour before sunrise.
- C—Sunset to sunrise.

Answer: C.

Learning Statement: Recall regulations—use of aircraft lights.

2. If the pilot experiences ground resonance during rotor spin-up, what action should the pilot take?

- A—Taxi to a smooth area.
- B—Close the throttle and slowly raise the spin-up lever.
- C—Make a normal takeoff immediately.

Answer: B.

Learning Statement: Recall ground resonance—conditions to occur.

3. Individual forecasts for specific routes of flight can be obtained from which weather source?

- A—Transcribed Weather Broadcasts (TWEB's).
- B—Terminal Forecasts.
- C—Area Forecasts.

Answer: A.

Learning Statement: Recall weather information—TWEB broadcasts.

4. With regard to carburetor ice. Float-type carburetor systems in comparison to fuel injection systems are generally considered to be

- A—more susceptible to icing.
- B—equally susceptible to icing.
- C—susceptible to icing only when visible moisture is present.

Answer: A.

Learning Statement: Recall aircraft systems—anti-icing/deicing.

5. When taking off or landing at an airport where heavy aircraft are operating, one should be particularly alert to the hazards of wingtip vortices because this turbulence tends to

- A—rise from a crossing runway into the takeoff or landing path.
- B—rise into the traffic pattern area surrounding the airport.
- C—sink into the flightpath of aircraft operating below the aircraft generating the turbulence.

Answer: C.

Learning Statement: Recall wake turbulence—characteristics/avoidance techniques.

LIST OF REFERENCE MATERIALS SPECIFIC TO THE PRIVATE PILOT—GYROPLANE/RECREATIONAL PILOT—TRANSITION (PGT)

<i>Topic</i>	<i>Content</i>	<i>Specific</i>
PLT012 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Navigation	Pilotage	Calculations
Navigation	Radio	VOR
PLT013 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Aircraft Performance	Computations	Crosswind
PLT040 Aeronautical Information Manual		
Airspace	Controlled	Class B
Sectional Aeronautical Chart		
Navigation	Pilotage	Airspace
PLT099 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Flight Operations	Night	Scan
PLT101 Sectional Aeronautical Chart		
Navigation	Pilotage	Aeronautical Charts
Navigation	Pilotage	Airspace
Publications	Aeronautical Charts	Sectional Aeronautical Charts
PLT103 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Human Factors	ADM	Hazardous Attitude
PLT119 FAA-H-8083-3 - Airplane Flying Handbook		
Flight Operations	Collision Avoidance	Aircraft Position Lights
PLT141 Aeronautical Information Manual		
Airport Operations	Lighting	Rotating Beacon
Airport Operations	Marking / Signs	Direction Signs
Airport Operations	Marking / Signs	Taxiway
FAA-H-8083-3 - Airplane Flying Handbook		
Airport Operations	Lighting	Taxiway
PLT161 14 CFR part 71 Designation of Class A, B, C, D, and E Airspace Areas; Air Traffic Service Routes		
Regulations	14CFR Part 71	Airspace
14 CFR part 91 General Operating and Flight Rules		
Regulations	14CFR Part 91	Airspace
Aeronautical Information Manual		
Airspace	Controlled	Class C
Airspace	Controlled	Class D
Airport/Facility Directory		
Publications	Airport Facility Directory	Airport Remarks
Sectional Aeronautical Chart		
Airspace	Uncontrolled	Class G
PLT163 14 CFR part 91 General Operating and Flight Rules		
Regulations	14CFR Part 91	Class D Operations
PLT194 Aeronautical Information Manual		
Air Traffic Control Procedures	En Route	Radar
PLT242 FAA-H-8083-21 - Rotorcraft Flying Handbook		
Aerodynamics	Principles of Flight	Dissymmetry of Lift
PLT290 Aeronautical Information Manual		
Weather	Aeronautical Weather Forecasts	SIGMETS
PLT393 14 CFR part 91 General Operating and Flight Rules		
Regulations	14CFR Part 91	Airspace

PLT411		
14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors		
Regulations	14CFR Part 61	PIC Recent Flight Experience
PLT427		
14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors		
Regulations	14CFR Part 61	Medical Certificates
PLT442		
14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors		
Regulations	14CFR Part 61	PIC Recent Flight Experience
PLT444		
14 CFR part 91 General Operating and Flight Rules		
Regulations	14CFR Part 91	PIC Responsibility / Authority
Regulations	14CFR Part 91	Preflight Actions
PLT445		
14 CFR part 91 General Operating and Flight Rules		
Regulations	14CFR Part 91	Preflight Actions
PLT447		
14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors		
Regulations	14CFR Part 61	Medical Certificates
PLT467		
14 CFR part 91 General Operating and Flight Rules		
Regulations	14CFR Part 91	Airspace
Regulations	14CFR Part 91	Flight Rules General

**PRIVATE PILOT—AIRPLANE (PAR)
Sample Questions**

PRIVATE PILOT—AIRPLANE (PAR)

1. Your cousin wants you to take him flying. You must have made at least three takeoffs and three landings in your aircraft within the preceding

- A—90 days.
- B—60 days.
- C—30 days.

Answer: A.

Learning Statement: Recall regulations - flight instructor limitations / qualifications.

2. In what flight condition are torque effects more pronounced in a single-engine airplane?

- A—Low airspeed, high power, high angle of attack.
- B—Low airspeed, low power, low angle of attack.
- C—High airspeed, high power, high angle of attack.

Answer: A.

Learning Statement: Recall forces acting on aircraft—propeller/torque.

3. The wind at 5,000 feet AGL is southwesterly while the surface wind is southerly. This difference in direction is primarily due to

- A—stronger pressure gradient at higher altitudes.
- B—friction between the wind and the surface.
- C—stronger Coriolis force at the surface.

Answer: B.

Learning Statement: Recall winds—types/characteristics.

4. If an aircraft is equipped with a fixed-pitch propeller and a float-type carburetor, the first indication of carburetor ice would most likely be

- A—a drop in oil temperature and cylinder head temperature.
- B—engine roughness.
- C—loss of RPM.

Answer: C.

Learning Statement: Recall carburetor ice—factors affecting/causing.

5. Eye movements during daytime collision avoidance scanning should

- A—not exceed 10 degrees and view each sector at least 1 second.
- B—be 30 degrees and view each sector at least 3 seconds.
- C—use peripheral vision by scanning small sectors and utilizing off-center viewing.

Answer: A.

Learning Statement: Recall collision avoidance---scanning techniques

LIST OF REFERENCE MATERIALS SPECIFIC TO THE PRIVATE PILOT—AIRPLANE (PAR)

<i>Topic</i>	<i>Content</i>	<i>Specific</i>
PLT003 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge Weight and Balance	Center of Gravity	Stability
PLT005 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge Aircraft Performance	Computations	Density Altitude
PLT008 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge Aircraft Performance	Computations	Landing Distance
PLT011 FAA-H-8083-1 - Aircraft Weight and Balance Handbook Aircraft Performance	Computations	Computing Takeoff Distance - Over Obstacle
PLT012 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge Aircraft Performance Navigation Navigation	Computations Pilotage Radio	Cruise Calculations VOR
PLT013 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge Aircraft Performance	Computations	Crosswind
PLT015 14 CFR part 91 General Operating and Flight Rules Navigation FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge Aircraft Performance	Dead Reckoning Computations	Calculations Cruise
PLT019 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge Aircraft Performance	Computations	Pressure Altitude
PLT021 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge Weight and Balance	Center of Gravity	Computations
PLT023 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge Aircraft Systems Aircraft Systems	Flight Instruments Flight Instruments	Altimeter Altitude
PLT026 AC 00-45 - Aviation Weather Services Weather	Aeronautical Weather Reports	Aviation Routine Weather Reports (METAR)
PLT039 Aeronautical Information Manual Airport Operations	Marking / Signs	Segmented Circle
PLT040 Aeronautical Information Manual Airspace Sectional Aeronautical Chart Navigation	Controlled Pilotage	Class B Airspace
PLT041 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge Aircraft Systems	Flight Instruments	Altimeter
PLT044 Aeronautical Information Manual Airport Operations Airport Operations	Tower Controlled Uncontrolled	Ground Operations Radio Communications
PLT059 AC 00-45 - Aviation Weather Services Weather FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge Weather	Aeronautical Weather Reports Aeronautical Weather Reports	Aviation Routine Weather Reports (METAR) Aviation Routine Weather Reports (METAR)

PLT061[AC 00-45 - Aviation Weather Services](#)

Weather Aeronautical Weather Reports Pilot Weather Reports

[Aeronautical Information Manual](#)

Weather Aeronautical Weather Reports Pilot Weather Reports

PLT064[AC 00-45 - Aviation Weather Services](#)

Navigation Pilotage Aeronautical Charts

[Aeronautical Chart User's Guide](#)

Navigation Pilotage Aeronautical Charts

[Aeronautical Information Manual](#)

Airport Operations Uncontrolled Radio Communications

Airspace Controlled Class E

Airspace Special Use MOA

Navigation Pilotage Aeronautical Charts

[FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge](#)

Airspace Other Military Training Routes

Navigation Pilotage Aeronautical Charts

Navigation Pilotage Calculations

Navigation Radio VOR

[Sectional Aeronautical Chart](#)

Navigation Pilotage Aeronautical Charts

Navigation Pilotage Airspace

Publications Aeronautical Charts [Sectional Aeronautical Charts](#)

Publications Airport Facility Directory Parachute Jumping

PLT068[AC 00-45 - Aviation Weather Services](#)

Weather Charts / Maps Significant Weather Prognostic Charts

PLT071[AC 00-45 - Aviation Weather Services](#)

Weather Charts / Maps Weather Depiction Charts

PLT072[AC 00-45 - Aviation Weather Services](#)

Weather Aeronautical Weather Forecasts Terminal Aerodrome Forecasts (TAF)

Weather Aeronautical Weather Reports Terminal Aerodrome Forecasts (TAF)

PLT075[AC 00-45 - Aviation Weather Services](#)

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PLT076[AC 00-45 - Aviation Weather Services](#)

Weather Aeronautical Weather Forecasts Wind and Temperature Aloft Forecast

PLT077[Aeronautical Information Manual](#)

Airport Operations Marking / Signs Airport Markings

Airport Operations Marking / Signs Displaced Threshold

Airport Operations Marking / Signs Tetrahedron

Airport Operations Marking / Signs Traffic Pattern

[FAA-H-8083-3 - Airplane Flying Handbook](#)

Publications Airport Facility Directory Arrival

PLT088[FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge](#)

Aircraft Systems Flight Instruments Airspeed Indicator

PLT090[FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge](#)

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PLT092[FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge](#)

Weight and Balance Center of Gravity Computations

PLT097[FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge](#)

Human Factors Aeromedical Factors Carbon Monoxide Poisoning

PLT099[FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge](#)

Flight Operations Night Scan

PLT101[FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge](#)

Navigation	Pilotage
Navigation	Radio
Publications	Aeronautical Charts

[Sectional Aeronautical Chart](#)

Navigation	Pilotage
Navigation	Pilotage
Navigation	Pilotage
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Calculations
 VOR
[Sectional Aeronautical Charts](#)

Aeronautical Charts
 Airspace
 Flight Plans
[Sectional Aeronautical Charts](#)

PLT104[FAA-H-8083-2 - Risk Management Handbook](#)

Human Factors	ADM
Human Factors	Aeromedical Factors

Risk Management
 Physiological

PLT112[FAA-H-8083-3 - Airplane Flying Handbook](#)

Airport Operations	Taxiing
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Flight Controls

PLT113[FAA-H-8083-1 - Aircraft Weight and Balance Handbook](#)

Regulations	14CFR Part 1
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Certification of Aircraft

PLT114[FAA-H-8083-1 - Aircraft Weight and Balance Handbook](#)

Regulations	14CFR Part 1
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Type Certificate Data Sheets (TCDS)

PLT115[FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge](#)

Aircraft Systems	Powerplant
Aircraft Systems	Powerplant

Fueling
 Ignition

PLT118[FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge](#)

Aircraft Systems	Flight Instruments
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Directional Gyro

PLT119[FAA-H-8083-3 - Airplane Flying Handbook](#)

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PLT121[FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge](#)

Weight and Balance	Center of Gravity
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PLT123[FAA-H-8083-21 - Rotorcraft Flying Handbook](#)

Flight Operations	Climb
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Speed

PLT124[FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge](#)

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PLT125[Aeronautical Information Manual](#)

Flight Operations	Normal Procedures
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PLT127[FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge](#)

Aircraft Performance	Computations
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PLT128[AC 00-6 - Aviation Weather](#)

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PLT131[FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge](#)

Aircraft Performance	Atmospheric Effects
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PLT133[FAA-H-8083-3 - Airplane Flying Handbook](#)

Flight Operations	Climb
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Speed

PLT134[FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge](#)

Aerodynamics	Principles of Flight
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Frost

PLT136[FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge](#)

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Aeronautical Information Manual		
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FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
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FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
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FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Aerodynamics	Principles of Flight	Angle of Attack
Aerodynamics	Stall / Spins	Stalls
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AC 00-6 - Aviation Weather		
Weather	Meteorology	Stability
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Aircraft Systems	Flight Instruments	Turn Coordinator
PLT189		
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Aircraft Systems	Powerplant	Carburetor Heat
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FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Aircraft Systems	Powerplant	Carburetor
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FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
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AC 00-6 - Aviation Weather		
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Air Traffic Control Procedures	Communications	Distress
FAA-H-8083-3 - Airplane Flying Handbook		
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Flight Operations	Emergency Procedures	Engine Failure
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FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
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Aerodynamics	Stability / Control	Stability
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FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Aerodynamics	Stability / Control	Center of Pressure
PLT215		
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Aircraft Systems	Flight Instruments	Magnetic Compass
PLT225		
Aeronautical Information Manual		
Navigation	Pilotage	Flight Plan

PLT226 AC 00-6 - Aviation Weather Weather	Meteorology	Fog
PLT235 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge Aerodynamics	Principles of Flight	Forces Acting on Aircraft
PLT242 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge Aerodynamics	Principles of Flight	Horizontal Lift
PLT243 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge Aerodynamics	Principles of Flight	Torque
	Principles of Flight	Turning Tendency
PLT245 FAA-H-8083-3 - Airplane Flying Handbook Aerodynamics	Stall / Spins	Spins
PLT249 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge Aircraft Systems	Powerplant	Carburetor Heat
	Powerplant	Mixture Control
PLT250 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge Aircraft Systems	Powerplant	Fuel Grade
PLT253 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge Aircraft Systems	Powerplant	Mixture Control
PLT263 AC 00-6 - Aviation Weather Weather	Meteorology	Thunderstorms
	Meteorology	Turbulence
PLT271 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge Human Factors	ADM	Judgement
PLT274 AC 00-6 - Aviation Weather Weather	Meteorology	Icing
PLT278 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge Aircraft Systems	Flight Instruments	Airspeed Indicator
PLT284 AC 00-45 - Aviation Weather Services Weather	Aeronautical Weather Forecasts	Wind and Temperature Aloft Forecast
PLT289 AC 00-45 - Aviation Weather Services Weather	Charts / Maps	Weather Depiction Charts
PLT290 AC 00-45 - Aviation Weather Services Weather	Aeronautical Weather Forecasts	AIRMETS/SIGMETS
	Hazardous	Thunderstorms
Aeronautical Information Manual Weather	Aeronautical Weather Forecasts	SIGMETS
PLT301 AC 00-6 - Aviation Weather Weather	Meteorology	Moisture
	Meteorology	Temperature
PLT309 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge Aerodynamics	Load Factor	Flight Maneuvers
	Load Factor	Steep Turns
PLT311 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge Aerodynamics	Airspeed	High
	Load Factor	Airspeed

PLT312			
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge			
Aerodynamics	Load Factor		Stalling Speed
FAA-H-8083-3 - Airplane Flying Handbook			
Aerodynamics	Load Factor		Stalling Speed
PLT316			
Aeronautical Information Manual			
Weather	Aeronautical Weather Reports		Weather Briefings
PLT324			
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge			
Aircraft Systems	Powerplant		Oil System
PLT328			
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge			
Weight and Balance	Aircraft Loading		Limitations
PLT330			
Aeronautical Information Manual			
Human Factors	Aeromedical Factors		Fitness for Flight
PLT332			
Aeronautical Information Manual			
Human Factors	Aeromedical Factors		Fitness for Flight
PLT334			
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge			
Human Factors	Aeromedical Factors		Spatial Disorientation
PLT335			
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge			
Navigation	Radio		VOR
PLT337			
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge			
Aircraft Systems	Pitot / Static		Airspeed Indicator
Aircraft Systems	Pitot / Static		Blockage
PLT342			
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge			
Aircraft Systems	Powerplant		Mixture Control
PLT343			
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge			
Aircraft Systems	Powerplant		Mixture Control
FAA-H-8083-3 - Airplane Flying Handbook			
Aircraft Systems	Powerplant		Lubrication
PLT345			
AC 00-6 - Aviation Weather			
Weather	Meteorology		Pressure
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge			
Weather	Meteorology		Pressure
PLT351			
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge			
Aerodynamics	Stability / Control		Downwash
Aircraft Systems	Propeller		Adjustable-Pitch
Aircraft Systems	Propeller		Efficiency
PLT366			
49 CFR part 830 Notification and Reporting of Aircraft Accidents			
Regulations	NTSB Part 830		Accident Reports
Regulations	NTSB Part 830		Immediate Notification to NTSB
Regulations	NTSB Part 830		Incident Reports
Regulations	NTSB Part 830		Preservation of Aircraft Wreckage
PLT369			
14 CFR part 91 General Operating and Flight Rules			
Regulations	14CFR Part 91		Aerobatic Flight
PLT371			
14 CFR part 1 Definitions and Abbreviations			
Regulations	14CFR Part 1		Certification of Aircraft
Regulations	14CFR Part 1		Certification of Airmen
PLT372			
14 CFR part 91 General Operating and Flight Rules			
Regulations	14CFR Part 91		Annual Inspection
Regulations	14CFR Part 91		Maintenance Inspections

PLT373			
14 CFR part 91 General Operating and Flight Rules			
Regulations	14CFR Part 91		Aircraft Operating Limitations
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge			
Regulations	14CFR Part 91		Aircraft Operating Limitations
PLT374			
14 CFR part 91 General Operating and Flight Rules			
Regulations	14CFR Part 91		Aircraft Return to Service
Regulations	14CFR Part 91		Airworthiness
Regulations	14CFR Part 91		Airworthiness Certificate
PLT375			
14 CFR part 91 General Operating and Flight Rules			
Regulations	14CFR Part 91		Aircraft Return to Service
PLT376			
14 CFR part 91 General Operating and Flight Rules			
Regulations	14CFR Part 91		Special VFR
Aeronautical Information Manual			
Airspace	Other		Wildlife Refuges
PLT377			
14 CFR part 91 General Operating and Flight Rules			
Regulations	14CFR Part 91		Airworthiness Certificate
PLT381			
14 CFR part 91 General Operating and Flight Rules			
Regulations	14CFR Part 91		Altimeter Settings
PLT383			
14 CFR part 91 General Operating and Flight Rules			
Regulations	14CFR Part 91		Minimum Safe Altitudes
PLT393			
14 CFR part 91 General Operating and Flight Rules			
Regulations	14CFR Part 91		Airspace
Aeronautical Information Manual			
Airspace	Special Use		MOA
PLT399			
14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors			
Regulations	14CFR Part 61		Inspection of Certificate
Regulations	14CFR Part 61		Medical Certificates
Regulations	14CFR Part 61		Pilot Certificate
PLT400			
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge			
Regulations	14CFR Part 91		Certificate of Aircraft Registration
PLT401			
14 CFR part 91 General Operating and Flight Rules			
Regulations	14CFR Part 91		PIC Responsibility / Authority
PLT402			
14 CFR part 91 General Operating and Flight Rules			
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Aeronautical Information Manual			
Aircraft Systems	Avionics		Emergency Locator Transmitter (ELT)
PLT403			
14 CFR part 91 General Operating and Flight Rules			
Regulations	14CFR Part 91		ATC Clearances
PLT407			
14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors			
Regulations	14CFR Part 61		Privileges and Limitations
PLT413			
14 CFR part 91 General Operating and Flight Rules			
Regulations	14CFR Part 91		Fuel Requirements
PLT414			
14 CFR part 91 General Operating and Flight Rules			
Regulations	14CFR Part 91		Right-of-Way
PLT426			
14 CFR part 91 General Operating and Flight Rules			
Regulations	14CFR Part 91		Aircraft Return to Service
PLT427			
14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors			
Regulations	14CFR Part 61		Medical Certificates

PLT430			
	14 CFR part 91 General Operating and Flight Rules		
Regulations	14CFR Part 91		Minimum Safe Altitudes
PLT431			
	14 CFR part 91 General Operating and Flight Rules		
Regulations	14CFR Part 91		Formation Flight
PLT440			
	14 CFR part 91 General Operating and Flight Rules		
Regulations	14CFR Part 91		PIC Responsibility / Authority
PLT442			
	14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors		
Regulations	14CFR Part 61		PIC Recent Flight Experience
PLT444			
	14 CFR part 91 General Operating and Flight Rules		
Regulations	14CFR Part 91		PIC Responsibility / Authority
Regulations	14CFR Part 91		Preflight Actions
PLT445			
	14 CFR part 91 General Operating and Flight Rules		
Regulations	14CFR Part 91		Preflight Actions
	Aeronautical Information Manual		
Weather	Aeronautical Weather Reports		Weather Briefings
	FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Airport Operations	Preflight		Pilot Responsibility
PLT446			
	FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Regulations	14CFR Part 43		Preventive Maintenance
PLT447			
	14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors		
Regulations	14CFR Part 61		Medical Certificates
PLT448			
	14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors		
Regulations	14CFR Part 61		Privileges and Limitations
PLT451			
	14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors		
Regulations	14CFR Part 61		Privileges and Limitations
Regulations	14CFR Part 61		TypeRating
PLT455			
	Aeronautical Information Manual		
Navigation	Pilotage		Flight Plan
Navigation	Pilotage		Flight Plans
PLT462			
	Aeronautical Information Manual		
Airport Operations	Lighting		Runway Lighting
PLT463			
	14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors		
Regulations	14CFR Part 61		Drugs / Alcohol
	14 CFR part 91 General Operating and Flight Rules		
Regulations	14CFR Part 91		Alcohol or Drugs
PLT464			
	14 CFR part 91 General Operating and Flight Rules		
Regulations	14CFR Part 91		PIC Responsibility / Authority
PLT465			
	14 CFR part 91 General Operating and Flight Rules		
Regulations	14CFR Part 91		Seat Belts
PLT466			
	14 CFR part 1 Definitions and Abbreviations		
Regulations	14CFR Part 1		V Speeds
	FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Regulations	14CFR Part 1		V Speeds
PLT467			
	14 CFR part 91 General Operating and Flight Rules		
Regulations	14CFR Part 91		Airspace
Regulations	14CFR Part 91		Flight Rules General
Regulations	14CFR Part 91		VFR Cruising Altitude / Flight Level

PLT468			
	14 CFR part 91 General Operating and Flight Rules		
Regulations	14CFR Part 91		Airspace
PLT473			
	FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
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PLT477			
	FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Aerodynamics	Stall / Spins		Stalls
PLT478			
	FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Aircraft Systems	Powerplant		Ignition
Aircraft Systems	Powerplant		Magnetos
PLT479			
	FAA-H-8083-3 - Airplane Flying Handbook		
Aircraft Systems	Powerplant		Engine Starting
PLT484			
	Sectional Aeronautical Chart		
Navigation	Dead Reckoning		Aeronautical Charts
PLT486			
	FAA-H-8083-3 - Airplane Flying Handbook		
Airport Operations	Taxiing		Flight Controls
PLT492			
	AC 00-6 - Aviation Weather		
Weather	Meteorology		Stability
PLT493			
	AC 00-6 - Aviation Weather		
Weather	Meteorology		Moisture
	FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Flight Operations	Takeoff		Airplane
PLT495			
	AC 00-6 - Aviation Weather		
Weather	Hazardous		Thunderstorms
Weather	Meteorology		Thunderstorms
PLT497			
	Aeronautical Information Manual		
Aircraft Systems	Avionics		Transponder
PLT502			
	14 CFR part 91 General Operating and Flight Rules		
Regulations	14CFR Part 91		Light Gun Signals
PLT506			
	14 CFR part 1 Definitions and Abbreviations		
Regulations	14CFR Part 1		V Speeds
PLT507			
	Aeronautical Information Manual		
Navigation	Radio		VOR
PLT509			
	Aeronautical Information Manual		
Airport Operations	Wake Turbulence		Strength
Airport Operations	Wake Turbulence		Vortex Avoidance
Flight Operations	Wake Turbulence		Vortex Behavior
PLT511			
	AC 00-6 - Aviation Weather		
Weather	Meteorology		Fronts
Weather	Meteorology		Stability
	FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Weather	Meteorology		Stability
PLT512			
	AC 00-6 - Aviation Weather		
Weather	Meteorology		Fog
Weather	Meteorology		Moisture
Weather	Meteorology		Temperature

PLT514

[AC 00-45 - Aviation Weather Services](#)

Weather Aeronautical Weather Forecasts
Weather Aeronautical Weather Forecasts

Aviation Area Forecasts (FA)
Terminal Aerodrome Forecasts (TAF)

[FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge](#)

Weather Aeronautical Weather Reports

Weather Briefings

PLT516

[FAA-H-8083-3 - Airplane Flying Handbook](#)

Airport Operations Taxiing

Flight Controls

PLT518

[AC 00-6 - Aviation Weather](#)

Weather Meteorology

Windshear

[FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge](#)

Weather Meteorology

Windshear

PLT526

[Aeronautical Information Manual](#)

Flight Operations Collision Avoidance

Near Midair Collision (NMAC)

**PRIVATE PILOT CANADIAN CONVERSION—AIRPLANE (PCP)
Sample Questions**

PRIVATE PILOT CANADIAN CONVERSION—AIRPLANE (PCP)

1. This sign confirms your position on

- A—runway 22.
- B—routing to runway 22.
- C—taxiway 22.



Answer: A.

Learning Statement: Recall airport operations - markings / signs / lighting.

2. (Refer to FAA-CT-8080-2F, Figure 53.) When approaching Lincoln Municipal from the west at noon for the purpose of landing, initial communications should be with

- A—Lincoln Approach Control on 124.0 MHz.
- B—Minneapolis Center on 128.75 MHz.
- C—Lincoln Tower on 118.5 MHz.

Answer: A.

Learning Statement: Interpret information in an Airport Facility Directory (AFD)

3. (Refer to FAA-CT-8080-2F, Figure 52.) What information should be entered in block 12 for a VFR day flight?

- A—The actual time en route expressed in hours and minutes.
- B—The estimated time in en route expressed in hours and minutes.
- C—The total amount of usable fuel onboard expressed in hours and minutes.

Answer: C.

Learning Statement: Recall regulations - requirements of a flight plan release

4. A lack of orientation with regard to the position, attitude, or movement of the aircraft in space is defined as

- A—spatial disorientation.
- B—hyperventilation.
- C—hypoxia.

Answer: A

Learning Statement: Recall physiological factors - spatial disorientation

5. (Refer to FAA-CT-8080-2F, Figure 49.) That portion of the runway identified by the letter A may be used for

- A— landing.
- B— taxiing and takeoff.
- C— taxiing and landing.

Answer: B.

Learning Statement: Interpret information on an Airport Diagram

LIST OF REFERENCE MATERIALS SPECIFIC TO THE PRIVATE PILOT CANADIAN CONVERSION—AIRPLANE (PCP)

<i>Topic</i>	<i>Content</i>	<i>Specific</i>
PLT044 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge Air Traffic Control Procedures	Communications	Self-Announce
PLT064 14 CFR part 91 General Operating and Flight Rules Regulations	14CFR Part 91	Airspace
Aeronautical Information Manual Airspace	Controlled	Class D
Navigation	Pilotage	Aeronautical Charts
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge Airspace	Other	Military Training Routes
Sectional Aeronautical Chart Navigation	Pilotage	Aeronautical Charts
PLT078 Aeronautical Information Manual Airspace	Controlled	Class C
PLT105 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge Air Traffic Control Procedures	Communications	Radar Assistance
PLT119 14 CFR part 91 General Operating and Flight Rules Regulations	14CFR Part 91	Aircraft Lights
Aeronautical Information Manual Flight Operations	Approach	Collision Avoidance
FAA-H-8083-3 - Airplane Flying Handbook Flight Operations	Collision Avoidance	Aircraft Position Lights
PLT123 FAA-H-8083-21 - Rotorcraft Flying Handbook Flight Operations	Climb	Speed
PLT125 Aeronautical Information Manual Flight Operations	Normal Procedures	Scan
FAA-H-8083-3 - Airplane Flying Handbook Flight Operations	Approach	Roundout (Flare)
PLT140 Aeronautical Information Manual Airport Operations	LAHSO	Procedures & Responsibility
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge Airport Operations	LAHSO	Procedures & Responsibility
PLT141 Aeronautical Information Manual Airport Operations	Lighting	Rotating Beacon
Airport Operations	Marking / Signs	Airport Markings
Airport Operations	Marking / Signs	Direction Signs
Airport Operations	Marking / Signs	ILS
Airport Operations	Marking / Signs	Runway
Airport Operations	Marking / Signs	Taxiway
Publications	Aeronautical Information Manual	Contents
Publications	Aeronautical Information Manual	Taxiway
PLT147 Aeronautical Information Manual Airport Operations	Lighting	VASI

PLT150		
Aeronautical Information Manual		
Airspace	Uncontrolled	Airport Advisory Areas
PLT161		
14 CFR part 71 Designation of Class A, B, C, D, and E Airspace Areas; Air Traffic Service Routes		
Regulations	14CFR Part 71	Airspace
14 CFR part 91 General Operating and Flight Rules		
Regulations	14CFR Part 91	Aircraft Speed
Regulations	14CFR Part 91	Airspace
Aeronautical Information Manual		
Airspace	Controlled	Class D
Airspace	Controlled	Class E
Sectional Aeronautical Chart		
Airspace	Uncontrolled	Class G
PLT162		
Aeronautical Information Manual		
Airspace	Controlled	Class D
PLT163		
14 CFR part 91 General Operating and Flight Rules		
Regulations	14CFR Part 91	Airspace
PLT170		
14 CFR part 91 General Operating and Flight Rules		
Regulations	14CFR Part 91	Class D Operations
FAA-H-8083-3 - Airplane Flying Handbook		
Flight Operations	Landing	Roundout (Flare)
Flight Operations	Landing	Touchdown
PLT172		
Aeronautical Information Manual		
Publications	Aeronautical Information Manual	Aeronautical Information
PLT194		
Aeronautical Information Manual		
Air Traffic Control Procedures	En Route	Radar
Flight Operations	Collision Avoidance	Judging Threats
Flight Operations	Collision Avoidance	Maneuvers
PLT196		
Aeronautical Information Manual		
Airport Operations	Communications	ATIS
PLT198		
FAA-H-8083-3 - Airplane Flying Handbook		
Flight Operations	Cruise	Ground Track
PLT204		
Aeronautical Information Manual		
Airport Operations	Communications	Radio Communications
Instrument Procedures	Communications	Reports
PLT208		
Aeronautical Information Manual		
Air Traffic Control Procedures	Communications	Distress
Flight Operations	Emergency Procedures	Assistance
FAA-H-8083-3 - Airplane Flying Handbook		
Flight Operations	Emergency Procedures	Engine Failure

PLT221			
FAA-H-8083-3 - Airplane Flying Handbook			
Flight Operations	Approach		Go Around
Flight Operations	Landing		Crosswind Approach / Landing
PLT222			
Aeronautical Information Manual			
Air Traffic Control Procedures	Communications		Intersection Takeoff
PLT281			
Airport/Facility Directory			
Navigation	Pilotage		Airport / Facility Directory
PLT323			
Aeronautical Information Manual			
Navigation	Pilotage		NOTAMS
Publications	NOTAMS		FDC NOTAMS
PLT366			
49 CFR part 830 Notification and Reporting of Aircraft Accidents			
Regulations	NTSB Part 830		Incident Reports
PLT369			
14 CFR part 91 General Operating and Flight Rules			
Regulations	14CFR Part 91		Parachutes
PLT370			
14 CFR part 91 General Operating and Flight Rules			
Regulations	14CFR Part 91		ATC Clearances
Aeronautical Information Manual			
Airspace	Controlled		Clearance
Airspace	Controlled		Services Provided
PLT371			
14 CFR part 1 Definitions and Abbreviations			
Regulations	14CFR Part 1		Certification of Aircraft
PLT372			
14 CFR part 91 General Operating and Flight Rules			
Regulations	14CFR Part 91		100 Hour Inspection
Regulations	14CFR Part 91		Maintenance Inspections
PLT374			
14 CFR part 91 General Operating and Flight Rules			
Regulations	14CFR Part 91		Aircraft Return to Service
Regulations	14CFR Part 91		Airworthiness Certificate
PLT375			
14 CFR 43			
Regulations	14CFR Part 43		Preventive Maintenance
PLT376			
14 CFR part 91 General Operating and Flight Rules			
Regulations	14CFR Part 91		Special VFR
PLT377			
14 CFR part 91 General Operating and Flight Rules			
Regulations	14CFR Part 91		Airworthiness Certificate
PLT378			
14 CFR 39			
Regulations	14CFR Part 39		Airworthiness Directives
PLT383			
14 CFR part 91 General Operating and Flight Rules			
Regulations	14CFR Part 91		Airspace
Regulations	14CFR Part 91		Minimum Safe Altitudes

PLT393			
Aeronautical Information Manual			
Airspace	Communications		Restricted Areas
Airspace	Special Use		MOA
Airspace	Special Use		Restricted Areas
PLT395			
14 CFR part 1 Definitions and Abbreviations			
Regulations	14CFR Part 1		Night
14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors			
Regulations	14CFR Part 61		High Performance
PLT399			
14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors			
Regulations	14CFR Part 61		Inspection of Certificate
Regulations	14CFR Part 61		Pilot Certificate
PLT402			
14 CFR part 91 General Operating and Flight Rules			
Regulations	14CFR Part 91		Emergency Locator Transmitter
PLT403			
14 CFR part 91 General Operating and Flight Rules			
Regulations	14CFR Part 91		ATC Clearances
PLT411			
14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors			
Regulations	14CFR Part 61		PIC Recent Flight Experience
PLT414			
14 CFR part 91 General Operating and Flight Rules			
Regulations	14CFR Part 91		Right-of-Way
PLT426			
14 CFR 39			
Regulations	14CFR Part 39		Airworthiness Directives
PLT427			
14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors			
Regulations	14CFR Part 61		Medical Certificates
PLT430			
14 CFR part 91 General Operating and Flight Rules			
Regulations	14CFR Part 91		Minimum Safe Altitudes
PLT435			
Aeronautical Information Manual			
Airport Operations	Communications		Inbound
Airport Operations	Communications		Radio Communications
PLT438			
14 CFR part 91 General Operating and Flight Rules			
Regulations	14CFR Part 91		Supplemental Oxygen
PLT442			
14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors			
Regulations	14CFR Part 61		Flight Review
Regulations	14CFR Part 61		PIC Recent Flight Experience
PLT444			
14 CFR part 91 General Operating and Flight Rules			
Regulations	14CFR Part 91		Preflight Actions
Aeronautical Information Manual			
Airspace	Special Use		Alert Areas
PLT445			
14 CFR part 91 General Operating and Flight Rules			
Regulations	14CFR Part 91		Preflight Actions

PLT447		
14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors		
Regulations	14CFR Part 61	Medical Certificates
PLT448		
14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors		
Regulations	14CFR Part 61	Privileges and Limitations
PLT449		
14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors		
Regulations	14CFR Part 61	Flight Review
PLT451		
14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors		
Regulations	14CFR Part 61	Privileges and Limitations
Regulations	14CFR Part 61	TypeRating
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Aeronautical Information Manual		
Navigation	Pilotage	Flight Plan
PLT466		
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Regulations	14CFR Part 1	V Speeds
PLT467		
14 CFR part 91 General Operating and Flight Rules		
Regulations	14CFR Part 91	VFR Cruising Altitude / Flight Level
PLT502		
14 CFR part 91 General Operating and Flight Rules		
Regulations	14CFR Part 91	Light Gun Signals
PLT506		
14 CFR part 1 Definitions and Abbreviations		
Regulations	14CFR Part 1	V Speeds
PLT509		
Aeronautical Information Manual		
Flight Operations	Wake Turbulence	Vortex Avoidance
Flight Operations	Wake Turbulence	Vortex Behavior

**PRIVATE PILOT—ROTORCRAFT/HELICOPTER (PRH)
Sample Questions**

PRIVATE PILOT—ROTORCRAFT/HELICOPTER (PRH)

1. No person may begin a flight in a rotorcraft under VFR unless there is enough fuel to fly to the first point of intended landing and, assuming normal cruising speed, to fly thereafter for at least

- A—20 minutes.
- B—30 minutes.
- C—1 hour.

Answer: A.

Learning Statement: Recall regulations—fuel requirements.

2. During forward cruising flight at constant airspeed and altitude, the individual rotor blades, when compared to each other, are operating

- A—with increased lift on the retreating blade.
- B—with a decreasing angle of attack on the advancing blade.
- C—at unequal airspeed, unequal angles of attack and equal lift moment.

Answer: C.

Learning Statement: Recall forces acting on aircraft—aerodynamics.

3. Which conditions result in the formation of frost?

- A—The temperature of the collecting surface is at or below freezing when small droplets of moisture fall on the surface.
- B—The temperature of the collecting surface is at or below the dew point of the adjacent air and the dew point is below freezing.
- C—The temperature of the surrounding air is at or below freezing when small drops of moisture fall on the collecting surface.

Answer: B.

Learning Statement: Recall weather conditions—temperature/moisture/dewpoint.

4. If the grade of fuel used in an aircraft engine is lower than specified for the engine, it will most likely cause

- A—a mixture of fuel and air that is not uniform in all cylinders.
- B—lower cylinder head temperatures.
- C—detonation.

Answer: C.

Learning Statement: Recall fuel—types/characteristics/contamination/fueling/defueling/precautions.

LIST OF REFERENCE MATERIALS SPECIFIC TO THE PRIVATE PILOT—ROTORCRAFT/HELICOPTER (PRH)

<i>Topic</i>	<i>Content</i>	<i>Specific</i>
PLT005 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge Aircraft Performance	Computations	Density Altitude
PLT012 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge Navigation	Pilotage	Calculations
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**PRIVATE PILOT—ROTORCRAFT/GYROPLANE (PRG)
Sample Questions**

PRIVATE PILOT—ROTORCRAFT/GYROPLANE (PRG)

1. A special VFR clearance authorizes the pilot of an aircraft to operate VFR while within Class D airspace when the visibility is

- A—less than 1 mile and the ceiling is less than 1,000 feet.
- B—at least 1 mile and the aircraft can remain clear of clouds.
- C—at least 3 miles and the aircraft can remain clear of clouds.

Answer: B.

Learning Statement: Recall regulations—Air Traffic Control authorization/clearances.

2. High airspeeds, particularly in turbulent air, should be avoided primarily because of the possibility of

- A—an abrupt pitchup.
- B—retreating blade stall.
- C—a low-frequency vibration developing.

Answer: B.

Learning Statement: Recall rotor system—types/components/operating principles/characteristics.

3. What measurement can be used to determine the stability of the atmosphere?

- A—Atmospheric pressure.
- B—Actual lapse rate.
- C—Surface temperature.

Answer: B.

Learning Statement: Recall Earth's atmosphere—layers/characteristics/solar energy.

4. In addition to a valid Airworthiness Certificate, what documents or records must be aboard an aircraft during flight?

- A—Aircraft engine and airframe logbooks, and owner's manual.
- B—Radio operator's permit, and repair and alteration forms.
- C—Operating limitations and Registration Certificate.

Answer: C.

Learning Statement: Recall regulations—documents to be carried on aircraft during flight.

5. VFR approaches to land at night should be accomplished

- A—at a higher airspeed.
- B—with a steeper descent.
- C—the same as during daytime.

Answer: C.

Learning Statement: Recall approach/landing/taxiing techniques.

LIST OF REFERENCE MATERIALS SPECIFIC TO THE PRIVATE PILOT—ROTORCRAFT/GYROPLANE (PRG)

<i>Topic</i>	<i>Content</i>	<i>Specific</i>
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PLT021 FAA-H-8083-21 - Rotorcraft Flying Handbook Weight and Balance	Center of Gravity	Computations
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Airport Operations	Wake Turbulence	Vortex Avoidance
PLT512 AC 00-6 - Aviation Weather Weather	Meteorology	Fog
PLT514 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge Weather	Aeronautical Weather Reports	Weather Briefings
PLT518 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge Weather	Meteorology	Windshear

PRIVATE PILOT—GLIDER (PGL)
Sample Questions

PRIVATE PILOT—GLIDER (PGL)

1. The minimum allowable strength of a towline used for an aerotow of a glider having a certificated gross weight of 700 pounds is

- A—560 pounds.
- B—700 pounds.
- C—1,000 pounds.

Answer: A.

Learning Statement: Recall towrope—strength/safety links/positioning.

2. A sailplane has a best glide ratio of 23:1. How many feet will the glider lose in 8 nautical miles?

- A—1,840 feet.
- B—2,100 feet.
- C—2,750 feet.

Answer: B.

Learning Statement: Interpret information on a Glider Performance Graph.

3. What cloud types would indicate convective turbulence?

- A—Cirrus clouds.
- B—Nimbostratus clouds.
- C—Towering cumulus clouds.

Answer: C.

Learning Statement: Recall clouds—types/formation/resulting weather.

4. When telephoning a weather briefing facility for preflight weather information, pilots should

- A—identify themselves as pilots.
- B—tell the number of hours they have flown within the preceding 90 days.
- C—state the number of occupants on board and the color of the aircraft.

Answer: A.

Learning Statement: Recall weather reporting systems—briefings/forecasts/reports.

5. What minimum upward current must a glider encounter to maintain altitude?

- A—At least 2 feet per second.
- B—The same as the glider's sink rate.
- C—The same as the adjacent down currents.

Answer: B.

Learning Statement: Recall glider performance—speed/distance/ballast/lift/drag.

LIST OF REFERENCE MATERIALS SPECIFIC TO THE PRIVATE PILOT—GLIDER (PGL)

<i>Topic</i>	<i>Content</i>	<i>Specific</i>
PLT006 FAA-H-8083-13 - Glider Flying Handbook		
Flight Operations	Soaring Techniques	Performance
PLT012 FAA-H-8083-13 - Glider Flying Handbook		
Flight Operations	Soaring Techniques	Performance
PLT021 FAA-H-8083-13 - Glider Flying Handbook		
Weight and Balance	Center of Gravity	Computations
PLT023 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Aircraft Systems	Flight Instruments	Altimeter
Aircraft Systems	Flight Instruments	Altitude
PLT026 AC 00-45 - Aviation Weather Services		
Weather	Aeronautical Weather Reports	Aviation Routine Weather Reports (METAR)
PLT039 Aeronautical Information Manual		
Airport Operations	Marking / Signs	Segmented Circle
PLT040 Sectional Aeronautical Chart		
Navigation	Pilotage	Airspace
PLT041 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Aircraft Systems	Flight Instruments	Altimeter
PLT044 14 CFR part 91 General Operating and Flight Rules		
Regulations	14CFR Part 91	Two-Way Radio Communications
PLT054 FAA-H-8083-13 - Glider Flying Handbook		
Aerodynamics	Principles of Flight	Performance
Flight Operations	X-C	Performance
PLT059 AC 00-45 - Aviation Weather Services		
Weather	Aeronautical Weather Reports	Aviation Routine Weather Reports (METAR)
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Weather	Aeronautical Weather Reports	Aviation Routine Weather Reports (METAR)

PLT064

[14 CFR part 91 General Operating and Flight Rules](#)

Navigation Pilotage

[Aeronautical Information Manual](#)

Airspace Controlled

Airspace Special Use

[FAA-H-8083-13 - Glider Flying Handbook](#)

Weather Meteorology

[FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge](#)

Airspace Other

Navigation Pilotage

Navigation Pilotage

[Sectional Aeronautical Chart](#)

Navigation Pilotage

Navigation Pilotage

Publications Airport Facility Directory

PLT075

[AC 00-45 - Aviation Weather Services](#)

Weather Charts / Maps

PLT077

[Aeronautical Information Manual](#)

Airport Operations Marking / Signs

Airport Operations Marking / Signs

PLT101

[14 CFR part 91 General Operating and Flight Rules](#)

Navigation Pilotage

[FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge](#)

Navigation Pilotage

[Sectional Aeronautical Chart](#)

Navigation Pilotage

Navigation Pilotage

Navigation Pilotage

Publications Aeronautical Charts

PLT103

[FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge](#)

Human Factors ADM

PLT116

[www.faa.gov - Search for ACs](#)

Publications Advisory Circulars

PLT120

[AC 00-6 - Aviation Weather](#)

Weather Meteorology

PLT131

[FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge](#)

Aircraft Performance Atmospheric Effects

PLT132

[FAA-H-8083-13 - Glider Flying Handbook](#)

Flight Operations X-C

Visibility & Cloud Clearance

Class E

MOA

Convergence

Military Training Routes

Aeronautical Charts

Calculations

Aeronautical Charts

Airspace

Parachute Jumping

Weather Depiction Charts

Tetrahedron

Traffic Pattern

Visibility & Cloud Clearance

Calculations

Aeronautical Charts

Airspace

Flight Plans

[Sectional Aeronautical Charts](#)

Hazardous Attitude

Obtaining AC's

Thunderstorms

Ground Effect

Performance

PLT141[Aeronautical Information Manual](#)

Airport Operations	Lighting	Rotating Beacon
Airport Operations	Marking / Signs	Direction Signs
Airport Operations	Marking / Signs	Runway
Airport Operations	Marking / Signs	Taxiway

PLT161[14 CFR part 71 Designation of Class A, B, C, D, and E Airspace Areas; Air Traffic Service Routes](#)

Regulations	14CFR Part 71	Airspace
Aeronautical Information Manual		
Airspace	Controlled	Class C
Airspace	Controlled	Class D

[Airport/Facility Directory](#)

Publications	Airport Facility Directory	Airport Remarks
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[Sectional Aeronautical Chart](#)

Airspace	Controlled	Class C
Airspace	Uncontrolled	Class G

PLT163[14 CFR part 91 General Operating and Flight Rules](#)

Regulations	14CFR Part 91	Class D Operations
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PLT165[AC 00-6 - Aviation Weather](#)

Weather	Meteorology	Temperature
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[FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge](#)

Weather	Meteorology	Temperature
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PLT166[FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge](#)

Aircraft Systems	Flight Instruments	Altimeter
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PLT167[AC 00-6 - Aviation Weather](#)

Weather	Meteorology	Pressure
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[FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge](#)

Aircraft Systems	Flight Instruments	Altimeter
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PLT168[FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge](#)

Aerodynamics	Principles of Flight	Angle of Attack
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PLT173[AC 00-6 - Aviation Weather](#)

Weather	Meteorology	Stability
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PLT185[FAA-H-8083-13 - Glider Flying Handbook](#)

Aerodynamics	Principles of Flight	Turns
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Flight Operations	Maneuvers	Basic
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PLT192[AC 00-6 - Aviation Weather](#)

Weather	Meteorology	Clouds
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Weather	Meteorology	Stability
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PLT194[Aeronautical Information Manual](#)

Air Traffic Control Procedures	En Route	Radar
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Flight Operations	Collision Avoidance	Maneuvers
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Human Factors	Aeromedical Factors	Fitness for Flight
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PLT200			
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge			
Navigation	Pilotage		Calculations
PLT206			
AC 00-6 - Aviation Weather			
Weather	Meteorology		Pressure
PLT215			
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge			
Aircraft Systems	Flight Instruments		Magnetic Compass
PLT235			
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge			
Aerodynamics	Stability / Control		Rudder
PLT241			
FAA-H-8083-13 - Glider Flying Handbook			
Aerodynamics	Principles of Flight		Horizontal Lift
PLT245			
FAA-H-8083-3 - Airplane Flying Handbook			
Aerodynamics	Stall / Spins		Spins
PLT271			
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge			
Human Factors	ADM		Judgement
PLT289			
AC 00-45 - Aviation Weather Services			
Weather	Charts / Maps		Weather Depiction Charts
PLT290			
AC 00-45 - Aviation Weather Services			
Weather	Aeronautical Weather Forecasts		AIRMETS/SIGMETS
Weather	Hazardous		Thunderstorms
Aeronautical Information Manual			
Weather	Aeronautical Weather Forecasts		SIGMETS
PLT301			
AC 00-6 - Aviation Weather			
Weather	Meteorology		Temperature
PLT304			
FAA-H-8083-13 - Glider Flying Handbook			
Flight Operations	Launch Procedures		Aerotow Takeoff
Flight Operations	Launch Procedures		Climbing Turns
Soaring Flight Manual			
Flight Operations	Launch Procedures		Porpoising
PLT311			
FAA-H-8083-13 - Glider Flying Handbook			
Aerodynamics	Load Factor		Airspeed
PLT316			
AC 00-45 - Aviation Weather Services			
Weather	Aeronautical Weather Reports		Aviation Routine Weather Reports (METAR)
AC 00-6 - Aviation Weather			
Weather	Aeronautical Weather Reports		Aviation Routine Weather Reports (METAR)
PLT328			
FAA-H-8083-13 - Glider Flying Handbook			
Weight and Balance	Aircraft Loading		Ballast
PLT332			
Aeronautical Information Manual			
Human Factors	Aeromedical Factors		Fitness for Flight

PLT334 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge Human Factors	Aeromedical Factors	Spatial Disorientation
PLT337 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge Aircraft Systems	Pitot / Static	Blockage
PLT345 AC 00-6 - Aviation Weather Weather	Meteorology	Pressure
PLT366 49 CFR part 830 Notification and Reporting of Aircraft Accidents Regulations	NTSB Part 830	Accident Reports
Regulations	NTSB Part 830	Immediate Notification to NTSB
Regulations	NTSB Part 830	Incident Reports
Regulations	NTSB Part 830	Preservation of Aircraft Wreckage
PLT369 14 CFR part 91 General Operating and Flight Rules Regulations	14CFR Part 91	Aerobatic Flight
PLT371 14 CFR part 1 Definitions and Abbreviations Regulations	14CFR Part 1	Certification of Airmen
PLT373 14 CFR part 91 General Operating and Flight Rules Regulations	14CFR Part 91	Aircraft Operating Limitations
PLT376 Aeronautical Information Manual Airspace	Other	Wildlife Refuges
PLT377 14 CFR part 91 General Operating and Flight Rules Regulations	14CFR Part 91	Airworthiness Certificate
PLT381 14 CFR part 91 General Operating and Flight Rules Regulations	14CFR Part 91	Altimeter Settings
PLT383 14 CFR part 91 General Operating and Flight Rules Regulations	14CFR Part 91	Minimum Safe Altitudes
PLT387 14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors Regulations	14CFR Part 61	Change of Address
PLT393 14 CFR part 91 General Operating and Flight Rules Regulations	14CFR Part 91	Airspace
Aeronautical Information Manual Airspace	Special Use	MOA
PLT399 14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors Regulations	14CFR Part 61	Inspection of Certificate
PLT407 14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors Regulations	14CFR Part 61	PIC Recent Flight Experience
Regulations	14CFR Part 61	Privileges and Limitations
PLT411 14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors Regulations	14CFR Part 61	PIC Recent Flight Experience

PLT414		
14 CFR part 91 General Operating and Flight Rules		
Regulations	14CFR Part 91	Right-of-Way
PLT430		
14 CFR part 91 General Operating and Flight Rules		
Regulations	14CFR Part 91	Minimum Safe Altitudes
PLT444		
14 CFR part 91 General Operating and Flight Rules		
Regulations	14CFR Part 91	PIC Responsibility / Authority
PLT445		
AC 00-45 - Aviation Weather Services		
Weather	Aeronautical Weather Reports	Weather Briefings
Aeronautical Information Manual		
Weather	Aeronautical Weather Reports	Weather Briefings
PLT446		
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Regulations	14CFR Part 43	Preventive Maintenance
PLT447		
14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors		
Regulations	14CFR Part 61	Medical Certificates
PLT448		
14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors		
Regulations	14CFR Part 61	Privileges and Limitations
PLT449		
14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors		
Regulations	14CFR Part 61	Flight Review
PLT463		
14 CFR part 91 General Operating and Flight Rules		
Regulations	14CFR Part 91	Alcohol or Drugs
PLT464		
14 CFR part 91 General Operating and Flight Rules		
Regulations	14CFR Part 91	PIC Responsibility / Authority
PLT465		
14 CFR part 91 General Operating and Flight Rules		
Regulations	14CFR Part 91	Seat Belts
PLT467		
14 CFR part 91 General Operating and Flight Rules		
Regulations	14CFR Part 91	Airspace
Regulations	14CFR Part 91	Flight Rules General
PLT468		
14 CFR part 91 General Operating and Flight Rules		
Regulations	14CFR Part 91	Airspace
PLT484		
Sectional Aeronautical Chart		
Navigation	Dead Reckoning	Aeronautical Charts
PLT493		
AC 00-6 - Aviation Weather		
Weather	Meteorology	Moisture
PLT494		
AC 00-6 - Aviation Weather		
Weather	Meteorology	Thermals
PLT495		
AC 00-6 - Aviation Weather		
Weather	Meteorology	Thunderstorms

PLT502

[FAA-H-8083-13 - Glider Flying Handbook](#)

Flight Operations Launch Procedures
Flight Operations Launch Procedures
Flight Operations Launch Procedures

Inflight Aerotow Visual Signals
Launch & Recovery Hand Signals
Tow Speeds

PLT509

[Aeronautical Information Manual](#)

Airport Operations Wake Turbulence
Airport Operations Wake Turbulence
Flight Operations Wake Turbulence
Flight Operations Wake Turbulence

Strength
Vortex Avoidance
Vortex Avoidance
Vortex Behavior

PLT511

[AC 00-6 - Aviation Weather](#)

Weather Meteorology

Stability

PLT512

[AC 00-6 - Aviation Weather](#)

Weather Meteorology
Weather Meteorology

Moisture
Temperature

PLT514

[AC 00-45 - Aviation Weather Services](#)

Weather Aeronautical Weather Forecasts
Weather Aeronautical Weather Reports

Aviation Area Forecasts (FA)
Weather Briefings

[FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge](#)

Weather Aeronautical Weather Reports

Weather Briefings

PLT516

[AC 00-6 - Aviation Weather](#)

Weather Meteorology

Wind

**PRIVATE PILOT—BALLOON—HOT AIR (PBH)
Sample Questions**

PRIVATE PILOT—BALLOON—HOT AIR (PBH)

1. Prior to becoming certified as a private pilot with a balloon rating, the pilot must have at least

A—passed a third-class medical exam.

B—obtained a statement from a designated medical examiner.

C—made a statement certifying that he/she has no known medical deficiency that would make him/her unable to act as pilot.

Answer: C.

Learning Statement: Recall regulations—pilot qualifications/privileges/responsibilities.

2. If ample propane is available, within which temperature range will propane vaporize sufficiently to provide enough pressure for burner operation during flight?

A—0 to 30 °F.

B—10 to 30 °F.

C—30 to 90 °F.

Answer: C.

Learning Statement: Recall fuel characteristics/contaminants/additives/leaks.

3. The conditions necessary for the formation of cumulonimbus clouds are a lifting action and

A—unstable air containing an excess of condensation nuclei.

B—unstable, moist air.

C—either stable or unstable air.

Answer: B.

Learning Statement: Recall thunderstorms—types/characteristics/formation/hazards.

4. When telephoning a weather briefing facility for preflight weather information, pilots should state the

A—full name and address of the pilot in command.

B—intended route, destination, and type of aircraft.

C—radio frequencies to be used.

Answer: B.

Learning Statement: Recall weather reporting systems—briefings/forecasts/reports.

5. When telephoning a weather briefing facility for preflight weather information, pilots should state

A—the full name and address of the formation commander.

B—that they possess a current pilot certificate.

C—whether they intend to fly VFR only.

Answer: C.

Learning Statement: Recall weather reporting systems—briefings/forecasts/reports.

LIST OF REFERENCE MATERIALS SPECIFIC TO THE PRIVATE PILOT—BALLOON—HOT AIR (PBH)

<i>Topic</i>	<i>Content</i>	<i>Specific</i>
PLT023		
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Aircraft Systems	Flight Instruments	Altimeter
Aircraft Systems	Flight Instruments	Altitude
PLT026		
AC 00-45 - Aviation Weather Services		
Weather	Aeronautical Weather Reports	Aviation Routine Weather Reports (METAR)
PLT040		
Sectional Aeronautical Chart		
Navigation	Pilotage	Airspace
PLT041		
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Aircraft Systems	Flight Instruments	Altimeter
PLT044		
14 CFR part 91 General Operating and Flight Rules		
Regulations	14CFR Part 91	Two-Way Radio Communications
PLT057		
FAA-H-8083-11 - Balloon Flying Handbook		
Aircraft Performance	Computations	Altitude
Weight	Performance	Calculations
PLT059		
AC 00-45 - Aviation Weather Services		
Weather	Aeronautical Weather Reports	Aviation Routine Weather Reports (METAR)
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Weather	Aeronautical Weather Reports	Aviation Routine Weather Reports (METAR)
PLT064		
Aeronautical Information Manual		
Airspace	Controlled	Class E
Airspace	Special Use	MOA
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Airspace	Other	Military Training Routes
Navigation	Pilotage	Aeronautical Charts
Navigation	Pilotage	Calculations
Sectional Aeronautical Chart		
Navigation	Pilotage	Aeronautical Charts
Publications	Airport Facility Directory	Parachute Jumping
PLT068		
AC 00-45 - Aviation Weather Services		
Weather	Charts / Maps	Significant Weather Prognostic Charts
PLT071		
AC 00-45 - Aviation Weather Services		
Weather	Charts / Maps	Weather Depiction Charts
PLT072		
AC 00-45 - Aviation Weather Services		
Weather	Aeronautical Weather Reports	Terminal Aerodrome Forecasts (TAF)
PLT075		
AC 00-45 - Aviation Weather Services		
Weather	Charts / Maps	Weather Depiction Charts

PLT101[14 CFR part 91 General Operating and Flight Rules](#)

Navigation	Pilotage	Visibility & Cloud Clearance
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[FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge](#)

Navigation	Pilotage	Calculations
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[Sectional Aeronautical Chart](#)

Navigation	Pilotage	Aeronautical Charts
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Navigation	Pilotage	Airspace
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Publications	Aeronautical Charts	Sectional Aeronautical Charts
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PLT114[FAA-H-8083-11 - Balloon Flying Handbook](#)

Aircraft Systems	Structures	Balloon
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PLT141[Aeronautical Information Manual](#)

Airport Operations	Lighting	Rotating Beacon
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PLT161[14 CFR part 71 Designation of Class A, B, C, D, and E Airspace Areas; Air Traffic Service Routes](#)

Regulations	14CFR Part 71	Airspace
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[Aeronautical Information Manual](#)

Airspace	Controlled	Class C
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Airspace	Controlled	Class D
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[Airport/Facility Directory](#)

Publications	Airport Facility Directory	Airport Remarks
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[Sectional Aeronautical Chart](#)

Airspace	Controlled	Class C
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Airspace	Uncontrolled	Class G
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PLT163[14 CFR part 91 General Operating and Flight Rules](#)

Regulations	14CFR Part 91	Class D Operations
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PLT165[FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge](#)

Aircraft Systems	Flight Instruments	Altimeter
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Weather	Meteorology	Temperature
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PLT166[FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge](#)

Aircraft Systems	Flight Instruments	Altimeter
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PLT170[FAA-H-8083-11 - Balloon Flying Handbook](#)

Flight Operations	Approach	High-Wind Landing
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PLT173[AC 00-6 - Aviation Weather](#)

Weather	Meteorology	Stability
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PLT177[FAA-H-8083-1 - Aircraft Weight and Balance Handbook](#)

Weight and Balance	Aircraft Loading	Definitions
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[FAA-H-8083-11 - Balloon Flying Handbook](#)

Aircraft Systems	Burner	Rating (BTU)
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Aircraft Systems	Fuel/Oil	Fuel System Preflight
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Flight Operations	Emergency Procedures	Balloon
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Flight Operations	Landing	Touchdown
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Flight Operations	Level Flight	Altitude Control
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PLT179			
FAA-H-8083-11 - Balloon Flying Handbook			
Aerodynamics	Principles of Flight		Performance
PLT181			
FAA-H-8083-11 - Balloon Flying Handbook			
Aerodynamics	Principles of Flight		Physics
PLT182			
<u>14 CFR 43</u>			
Aircraft Systems	Structures		Balloon
FAA-H-8083-11 - Balloon Flying Handbook			
Aircraft Systems	Structures		Balloon
PLT184			
FAA-H-8083-11 - Balloon Flying Handbook			
Flight Operations	Normal Procedures		Preflight
PLT192			
AC 00-6 - Aviation Weather			
Weather	Meteorology		Stability
Weather	Meteorology		Thunderstorms
PLT194			
Aeronautical Information Manual			
Human Factors	Aeromedical Factors		Fitness for Flight
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge			
Human Factors	Aeromedical Factors		Spatial Disorientation
PLT200			
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge			
Navigation	Pilotage		Calculations
PLT226			
AC 00-6 - Aviation Weather			
Weather	Meteorology		Fog
Weather	Meteorology		Icing
PLT237			
FAA-H-8083-11 - Balloon Flying Handbook			
Flight Operations	Launch Procedures		False Lift
FAA-P-8740-39 - Balloon Safety Tips			
Flight Operations	Launch Procedures		False Lift
PLT251			
<u>Balloon Ground School</u>			
Aircraft Systems	Fuel/Oil		Liquid Propane
PLT254			
FAA-H-8083-11 - Balloon Flying Handbook			
Aircraft Systems	Fuel/Oil		Fueling
Aircraft Systems	Fuel/Oil		Tanks
PLT289			
AC 00-45 - Aviation Weather Services			
Weather	Charts / Maps		Weather Depiction Charts
PLT290			
AC 00-45 - Aviation Weather Services			
Weather	Aeronautical Weather Forecasts		AIRMETS/SIGMETS
Weather	Hazardous		Thunderstorms
Aeronautical Information Manual			
Weather	Aeronautical Weather Forecasts		SIGMETS
PLT301			
AC 00-6 - Aviation Weather			
Weather	Meteorology		Temperature

PLT366		
49 CFR part 830 Notification and Reporting of Aircraft Accidents		
Regulations	NTSB Part 830	Accident Reports
Regulations	NTSB Part 830	Immediate Notification to NTSB
Regulations	NTSB Part 830	Incident Reports
Regulations	NTSB Part 830	Preservation of Aircraft Wreckage
PLT372		
14 CFR part 91 General Operating and Flight Rules		
Regulations	14CFR Part 91	100 Hour Inspection
Regulations	14CFR Part 91	Annual Inspection
PLT373		
14 CFR part 91 General Operating and Flight Rules		
Regulations	14CFR Part 91	Aircraft Operating Limitations
PLT374		
14 CFR part 91 General Operating and Flight Rules		
Regulations	14CFR Part 91	Airworthiness Certificate
PLT375		
14 CFR part 91 General Operating and Flight Rules		
Regulations	14CFR Part 91	Aircraft Return to Service
PLT376		
Aeronautical Information Manual		
Airspace	Other	Wildlife Refuges
PLT377		
14 CFR part 91 General Operating and Flight Rules		
Regulations	14CFR Part 91	Airworthiness Certificate
PLT387		
14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors		
Regulations	14CFR Part 61	Change of Address
PLT393		
14 CFR part 91 General Operating and Flight Rules		
Regulations	14CFR Part 91	Airspace
Aeronautical Information Manual		
Airspace	Special Use	MOA
PLT399		
14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors		
Regulations	14CFR Part 61	Inspection of Certificate
PLT400		
14 CFR part 91 General Operating and Flight Rules		
Regulations	14CFR Part 91	Airworthiness Certificate
PLT411		
14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors		
Regulations	14CFR Part 61	PIC Recent Flight Experience
PLT414		
14 CFR part 91 General Operating and Flight Rules		
Regulations	14CFR Part 91	Right-of-Way
PLT426		
14 CFR part 91 General Operating and Flight Rules		
Regulations	14CFR Part 91	Aircraft Return to Service
PLT427		
14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors		
Regulations	14CFR Part 61	Medical Certificates
PLT434		
14 CFR part 91 General Operating and Flight Rules		
Regulations	14CFR Part 91	Airspace

PLT444			
	14 CFR part 91 General Operating and Flight Rules		
Regulations	14CFR Part 91		PIC Responsibility / Authority
PLT445			
	AC 00-45 - Aviation Weather Services		
Weather	Aeronautical Weather Reports		Weather Briefings
	Aeronautical Information Manual		
Weather	Aeronautical Weather Reports		Weather Briefings
	FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Airport Operations	Preflight		Pilot Responsibility
PLT449			
	14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors		
Regulations	14CFR Part 61		Flight Review
PLT463			
	14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors		
Regulations	14CFR Part 61		Drugs / Alcohol
	14 CFR part 91 General Operating and Flight Rules		
Regulations	14CFR Part 91		Alcohol or Drugs
PLT467			
	14 CFR part 91 General Operating and Flight Rules		
Regulations	14CFR Part 91		Airspace
Regulations	14CFR Part 91		Flight Rules General
PLT495			
	AC 00-6 - Aviation Weather		
Weather	Meteorology		Thunderstorms
PLT511			
	AC 00-6 - Aviation Weather		
Weather	Meteorology		Stability
PLT512			
	AC 00-6 - Aviation Weather		
Weather	Meteorology		Fog
Weather	Meteorology		Moisture
Weather	Meteorology		Temperature
PLT514			
	AC 00-45 - Aviation Weather Services		
Weather	Aeronautical Weather Forecasts		Aviation Area Forecasts (FA)
Weather	Aeronautical Weather Reports		Weather Briefings
	FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Weather	Aeronautical Weather Reports		Weather Briefings
PLT516			
	AC 00-6 - Aviation Weather		
Weather	Meteorology		Wind

PRIVATE PILOT—BALLOON—GAS (PBG)
Sample Questions

PRIVATE PILOT—BALLOON—GAS (PBG)

1. The person directly responsible for the pre-launch briefing of passengers for a flight is the

- A—safety officer.
- B—pilot in command.
- C—ground crewmember.

Answer: B.

Learning Statement: Recall balloon flight operations—launch/landing.

2. What is the relationship of false lift with the wind?

- A—False lift increases as the wind accelerates the balloon.
- B—False lift does not exist if the surface winds are calm.
- C—False lift decreases as the wind accelerates the balloon.

Answer: C.

Learning Statement: Recall balloon—hot air/lift/false lift/characteristics.

3. What conditions are necessary for the formation of thunderstorms?

- A—High humidity, lifting force, and unstable conditions.
- B—High humidity, high temperature, and cumulus clouds.
- C—Lifting force, moist air, and extensive cloud cover.

Answer: A.

Learning Statement: Recall thunderstorms—types/characteristics/formation/hazards.

4. When telephoning a weather briefing facility for preflight weather information, pilots should state

- A—the full name and address of the formation commander.
- B—that they possess a current pilot certificate.
- C—whether they intend to fly VFR only.

Answer: C.

Learning Statement: Recall weather reporting systems—briefings/forecasts/reports.

5. The minimum size a launch site should be is at least

- A—twice the height of the balloon.
- B—100 feet for every 1 knot of wind.
- C—500 feet on the downwind side.

Answer: B.

Learning Statement: Recall balloon flight operations—launch/landing.

LIST OF REFERENCE MATERIALS SPECIFIC TO THE PRIVATE PILOT—BALLOON—GAS (PBG)

<i>Topic</i>	<i>Content</i>	<i>Specific</i>
PLT023		
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Aircraft Systems	Flight Instruments	Altimeter
Aircraft Systems	Flight Instruments	Altitude
PLT040		
Sectional Aeronautical Chart		
Navigation	Pilotage	Airspace
PLT041		
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Aircraft Systems	Flight Instruments	Altimeter
PLT044		
14 CFR part 91 General Operating and Flight Rules		
Regulations	14CFR Part 91	Two-Way Radio Communications
PLT059		
AC 00-45 - Aviation Weather Services		
Weather	Aeronautical Weather Reports	Aviation Routine Weather Reports (METAR)
PLT064		
Aeronautical Information Manual		
Airport Operations	Uncontrolled	Radio Communications
Airspace	Special Use	MOA
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Airspace	Other	Military Training Routes
Navigation	Pilotage	Calculations
Sectional Aeronautical Chart		
Navigation	Pilotage	Aeronautical Charts
Publications	Airport Facility Directory	Parachute Jumping
PLT071		
AC 00-45 - Aviation Weather Services		
Weather	Charts / Maps	Weather Depiction Charts
PLT072		
AC 00-45 - Aviation Weather Services		
Weather	Aeronautical Weather Reports	Terminal Aerodrome Forecasts (TAF)
PLT075		
AC 00-45 - Aviation Weather Services		
Weather	Charts / Maps	Weather Depiction Charts
PLT098		
Aeronautical Information Manual		
Human Factors	Aeromedical Factors	Fitness for Flight
PLT101		
Sectional Aeronautical Chart		
Navigation	Pilotage	Aeronautical Charts
Navigation	Pilotage	Airspace
Publications	Aeronautical Charts	Sectional Aeronautical Charts
PLT114		
FAA-H-8083-11 - Balloon Flying Handbook		
Aircraft Systems	Structures	Balloon
PLT116		
www.faa.gov - Search for ACs		
Publications	Advisory Circulars	Obtaining AC's
Publications	Advisory Circulars	Subject Numbering

PLT141		
Aeronautical Information Manual		
Airport Operations	Marking / Signs	Runway Signs
PLT161		
14 CFR part 71 Designation of Class A, B, C, D, and E Airspace Areas; Air Traffic Service Routes		
Regulations	14CFR Part 71	Airspace
Aeronautical Information Manual		
Airspace	Controlled	Class C
Airspace	Controlled	Class D
Airport/Facility Directory		
Publications	Airport Facility Directory	Airport Remarks
Sectional Aeronautical Chart		
Airspace	Controlled	Class C
Airspace	Uncontrolled	Class G
PLT163		
14 CFR part 91 General Operating and Flight Rules		
Regulations	14CFR Part 91	Class D Operations
PLT165		
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Aircraft Systems	Flight Instruments	Altimeter
PLT166		
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Aircraft Systems	Flight Instruments	Altimeter
PLT173		
AC 00-6 - Aviation Weather		
Weather	Meteorology	Stability
PLT177		
FAA-H-8083-11 - Balloon Flying Handbook		
Flight Operations	Landing	Touchdown
PLT179		
FAA-H-8083-11 - Balloon Flying Handbook		
Aerodynamics	Principles of Flight	Performance
PLT182		
FAA-H-8083-11 - Balloon Flying Handbook		
Aircraft Systems	Structures	Balloon
PLT194		
Aeronautical Information Manual		
Human Factors	Aeromedical Factors	Fitness for Flight
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Human Factors	Aeromedical Factors	Spatial Disorientation
PLT208		
FAA-H-8083-11 - Balloon Flying Handbook		
Flight Operations	Emergency Procedures	Approach / Landing
PLT226		
AC 00-6 - Aviation Weather		
Weather	Meteorology	Fog
PLT237		
FAA-P-8740-39 - Balloon Safety Tips		
Flight Operations	Launch Procedures	False Lift
PLT289		
AC 00-45 - Aviation Weather Services		
Weather	Charts / Maps	Weather Depiction Charts

PLT301			
AC 00-6 - Aviation Weather			
Weather	Meteorology		Temperature
PLT330			
Aeronautical Information Manual			
Human Factors	Aeromedical Factors		Fitness for Flight
PLT332			
Aeronautical Information Manual			
Human Factors	Aeromedical Factors		Fitness for Flight
PLT345			
AC 00-6 - Aviation Weather			
Weather	Meteorology		Pressure
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge			
Weather	Meteorology		Pressure
PLT366			
49 CFR part 830 Notification and Reporting of Aircraft Accidents			
Regulations	NTSB Part 830		Immediate Notification to NTSB
PLT373			
14 CFR part 91 General Operating and Flight Rules			
Regulations	14CFR Part 91		Aircraft Operating Limitations
PLT376			
Aeronautical Information Manual			
Airspace	Other		Wildlife Refuges
PLT377			
14 CFR part 91 General Operating and Flight Rules			
Regulations	14CFR Part 91		Airworthiness Certificate
PLT387			
14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors			
Regulations	14CFR Part 61		Change of Address
PLT389			
FAA-H-8083-11 - Balloon Flying Handbook			
Flight Operations	Launch Procedures		Location and Obstacles
PLT393			
Aeronautical Information Manual			
Airspace	Special Use		MOA
Airspace	Special Use		Restricted Areas
PLT395			
14 CFR part 1 Definitions and Abbreviations			
Regulations	14CFR Part 1		Night
PLT399			
14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors			
Regulations	14CFR Part 61		Pilot Certificate
PLT427			
14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors			
Regulations	14CFR Part 61		Medical Certificates
PLT443			
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge			
Human Factors	ADM		Pilot Self-Assessment
PLT444			
14 CFR part 91 General Operating and Flight Rules			
Regulations	14CFR Part 91		PIC Responsibility / Authority
Aeronautical Information Manual			
Airspace	Special Use		Alert Areas

PLT445		
AC 00-45 - Aviation Weather Services		
Weather	Aeronautical Weather Forecasts	Wind and Temperature Aloft Forecast
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Airport Operations	Preflight	Pilot Responsibility
PLT448		
14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors		
Regulations	14CFR Part 61	Privileges and Limitations
PLT449		
14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors		
Regulations	14CFR Part 61	Flight Review
PLT467		
14 CFR part 91 General Operating and Flight Rules		
Regulations	14CFR Part 91	Airspace
Regulations	14CFR Part 91	Flight Rules General
PLT468		
14 CFR part 91 General Operating and Flight Rules		
Regulations	14CFR Part 91	Airspace
PLT511		
AC 00-6 - Aviation Weather		
Weather	Meteorology	Fronts
Weather	Meteorology	Stability
PLT512		
AC 00-6 - Aviation Weather		
Weather	Meteorology	Moisture
Weather	Meteorology	Temperature
PLT514		
AC 00-45 - Aviation Weather Services		
Weather	Aeronautical Weather Reports	Weather Briefings
PLT526		
Aeronautical Information Manual		
Flight Operations	Collision Avoidance	Near Midair Collision (NMAC)

**PRIVATE PILOT—LIGHTER-THAN-AIR—AIRSHIP (PLA)
Sample Questions**

PRIVATE PILOT—LIGHTER-THAN-AIR—AIRSHIP (PLA)

1. An aircraft's annual inspection was performed on July 12, this year. The next annual inspection will be due no later than

- A—July 1, next year.
- B—July 13, next year.
- C—July 31, next year.

Answer: C.

Learning Statement: Recall regulations—maintenance reports/records/entries.

2. Under which condition will an airship float in the air?

- A—When buoyant force equals horizontal equilibrium existing between propeller thrust and airship drag.
- B—When buoyant force is less than the difference between airship weight and the weight of the air volume being displaced.
- C—When buoyant force equals the difference between airship weight and the weight of the air volume being displaced.

Answer: C.

Learning Statement: Recall balloon—hot air/physics.

3. Ceiling is defined as the height above the Earth's surface of the

- A—lowest reported obscuration and the highest layer of clouds reported as overcast.
- B—lowest layer of clouds or obscuring phenomena reported as broken, overcast, and not classified as thin or partial.
- C—lowest layer of clouds reported as scattered, broken, or thin.

Answer: B.

Learning Statement: Define ceiling.

4. When the course deviation indicator (CDI) needle is centered during an omni receiver check using a VOR test signal (VOT), the omnibearing selector (OBS) and the TO/FROM indicator should read

- A—180° FROM, only if the pilot is due north of the VOT.
- B—0° TO or 180° FROM, regardless of the pilot's position from the VOT.
- C—0° FROM or 180° TO, regardless of the pilot's position from the VOT.

Answer: C.

Learning Statement: Recall radio—VOR/VOT.

LIST OF REFERENCE MATERIALS SPECIFIC TO THE PRIVATE PILOT—LIGHTER-THAN-AIR—AIRSHIP (PLA)

<i>Topic</i>	<i>Content</i>	<i>Specific</i>
PLT005 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge Aircraft Performance	Computations	Density Altitude
PLT012 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge Navigation	Pilotage	Calculations
Navigation	Radio	VOR
PLT013 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge Aircraft Performance	Computations	Crosswind
PLT019 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge Aircraft Performance	Computations	Pressure Altitude
PLT021 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge Weight and Balance	Center of Gravity	Computations
PLT023 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge Aircraft Systems	Flight Instruments	Altitude
PLT040 Aeronautical Information Manual Airspace	Controlled	Class B
PLT044 14 CFR part 91 General Operating and Flight Rules Regulations	14CFR Part 91	Two-Way Radio Communications
PLT059 AC 00-45 - Aviation Weather Services Weather	Aeronautical Weather Reports	Aviation Routine Weather Reports (METAR)
PLT064 14 CFR part 91 General Operating and Flight Rules Navigation	Pilotage	Visibility & Cloud Clearance
Aeronautical Information Manual Airport Operations	Uncontrolled	Radio Communications
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge Navigation	Pilotage	Aeronautical Charts
Navigation	Pilotage	Calculations
Sectional Aeronautical Chart Navigation	Pilotage	Aeronautical Charts
PLT068 AC 00-45 - Aviation Weather Services Weather	Charts / Maps	Significant Weather Prognostic Charts
PLT075 AC 00-45 - Aviation Weather Services Weather	Charts / Maps	Weather Depiction Charts
PLT076 AC 00-45 - Aviation Weather Services Weather	Aeronautical Weather Forecasts	Wind and Temperature Aloft Forecast
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge Weather	Aeronautical Weather Forecasts	Wind and Temperature Aloft Forecast

PLT101		
14 CFR part 91 General Operating and Flight Rules		
Navigation	Pilotage	Visibility & Cloud Clearance
Sectional Aeronautical Chart		
Navigation	Pilotage	Aeronautical Charts
Navigation	Pilotage	Airspace
Publications	Aeronautical Charts	Sectional Aeronautical Charts
PLT103		
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Human Factors	ADM	Hazardous Attitude
PLT115		
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Aircraft Systems	Powerplant	Ignition
PLT116		
www.faa.gov - Search for ACs		
Publications	Advisory Circulars	Subject Numbering
PLT119		
FAA-H-8083-3 - Airplane Flying Handbook		
Flight Operations	Collision Avoidance	Aircraft Position Lights
PLT124		
Airship Aerodynamics Technical Manual		
Aerodynamics	Principles of Flight	Forces Acting on Aircraft
PLT133		
Airship Aerodynamics Technical Manual		
Flight Operations	Maneuvers	Basic
PLT151		
Navy Lighter-Than-Air Airship Flight Manual		
Aerodynamics	Principles of Flight	Forces Acting on Aircraft
PLT153		
Airship Aerodynamics Technical Manual		
Aircraft Performance	Limitations	Airship
Flight Operations	Maneuvers	Basic
Flight Operations	Normal Procedures	Buoyancy
Flight Operations	Normal Procedures	Level Flight
Flight Operations	Positive Aircraft Control	Descent - Through Inversion
Weight and Balance	Aircraft Loading	Ballast
PLT161		
14 CFR part 71 Designation of Class A, B, C, D, and E Airspace Areas; Air Traffic Service Routes		
Regulations	14CFR Part 71	Airspace
14 CFR part 91 General Operating and Flight Rules		
Regulations	14CFR Part 91	Airspace
Aeronautical Information Manual		
Aircraft Systems	Avionics	Transponder
Airport Operations	Tower Controlled	Special VFR
Airspace	Controlled	Class C
Airspace	Controlled	Class D
Airport/Facility Directory		
Publications	Airport Facility Directory	Airport Remarks
PLT163		
14 CFR part 91 General Operating and Flight Rules		
Regulations	14CFR Part 91	Class D Operations

PLT165 AC 00-6 - Aviation Weather Weather	Meteorology	Temperature
PLT173 AC 00-6 - Aviation Weather Weather	Meteorology	Stability
PLT194 Aeronautical Information Manual Human Factors	Aeromedical Factors	Fitness for Flight
PLT208 Airship Aerodynamics Technical Manual Flight Operations	Emergency Procedures	Approach / Landing
PLT215 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge Aircraft Systems	Flight Instruments	Magnetic Compass
PLT221 Airship Aerodynamics Technical Manual Aerodynamics	Performance	Airship
Flight Operations	Approach	Landing
Flight Operations	Takeoff	Airship
PLT249 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge Aircraft Systems	Powerplant	Mixture Control
PLT253 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge Aircraft Systems	Powerplant	Mixture Control
PLT271 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge Human Factors	ADM	Judgement
PLT289 AC 00-45 - Aviation Weather Services Weather	Charts / Maps	Weather Depiction Charts
PLT301 AC 00-6 - Aviation Weather Weather	Meteorology	Moisture
PLT328 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge Weight and Balance	Aircraft Loading	Equipment List
PLT332 Aeronautical Information Manual Human Factors	Aeromedical Factors	Fitness for Flight
PLT343 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge Aircraft Systems	Powerplant	Mixture Control
PLT345 AC 00-6 - Aviation Weather Weather	Meteorology	Pressure
PLT366 49 CFR part 830 Notification and Reporting of Aircraft Accidents Regulations	NTSB Part 830	Immediate Notification to NTSB
Regulations	NTSB Part 830	Incident Reports
PLT371 14 CFR part 1 Definitions and Abbreviations Regulations	14CFR Part 1	Certification of Airmen

PLT383		
14 CFR part 91 General Operating and Flight Rules		
Regulations	14CFR Part 91	Minimum Safe Altitudes
PLT395		
14 CFR part 1 Definitions and Abbreviations		
Regulations	14CFR Part 1	Night
PLT399		
14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors		
Regulations	14CFR Part 61	Inspection of Certificate
PLT414		
14 CFR part 91 General Operating and Flight Rules		
Regulations	14CFR Part 91	Right-of-Way
PLT430		
14 CFR part 91 General Operating and Flight Rules		
Regulations	14CFR Part 91	Minimum Safe Altitudes
PLT440		
14 CFR part 91 General Operating and Flight Rules		
Regulations	14CFR Part 91	PIC Responsibility / Authority
PLT444		
14 CFR part 91 General Operating and Flight Rules		
Regulations	14CFR Part 91	PIC Responsibility / Authority
PLT446		
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Regulations	14CFR Part 43	Preventive Maintenance
PLT463		
14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors		
Regulations	14CFR Part 61	Drugs / Alcohol
14 CFR part 91 General Operating and Flight Rules		
Regulations	14CFR Part 91	Alcohol or Drugs
PLT484		
Sectional Aeronautical Chart		
Navigation	Dead Reckoning	Aeronautical Charts
PLT506		
14 CFR part 1 Definitions and Abbreviations		
Regulations	14CFR Part 1	V Speeds
PLT511		
AC 00-6 - Aviation Weather		
Weather	Meteorology	Fronts
Weather	Meteorology	Stability
PLT514		
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Weather	Aeronautical Weather Reports	Weather Briefings

**PRIVATE PILOT—POWERED PARACHUTE (PPP)
Sample Questions**

PRIVATE PILOT—POWERED PARACHUTE (PPP)

1. Low-level turbulence can occur and icing can become hazardous in which type of fog?

- A—Rain-induced fog.
- B—Upslope fog.
- C—Steam fog.

Answer: A.

Learning Statement: Recall fog—types/formation/resulting weather.

2. Which incident requires an immediate notification to the nearest NTSB field office?

- A—A forced landing due to engine failure.
- B—Landing gear damage, due to a hard landing.
- C—Flight control system malfunction or failure.

Answer: C.

Learning Statement: Recall regulations - accident / incident reporting and preserving wreckage.

3. Prior to entering an Airport Advisory Area, a pilot should

- A—monitor ATIS for weather and traffic advisories.
- B—contact approach control for vectors to the traffic pattern.
- C—contact the local FSS for airport and traffic advisories.

Answer: C.

Learning Statement: Recall airport traffic patterns—entry procedures.

4. Most midair collision accidents occur during

- A—hazy days.
- B—clear days.
- C—cloudy nights.

Answer: B.

Learning Statement: Recall collision avoidance—scanning techniques.

5. Powered Parachute (PPC) encounters a gust of wind from the side

- A—the PPC loses a lot of altitude.
- B—the PPC chute collapses and a force landing required.
- C—the PPC loses a little altitude.

Answer: C.

Learning Statement: Recall forces acting on aircraft—stability/controllability.

LIST OF REFERENCE MATERIALS SPECIFIC TO THE PRIVATE PILOT—POWERED PARACHUTE (PPP)

<i>Topic</i>	<i>Content</i>	<i>Specific</i>	
PLT003 FAA-H-8083-1 - Aircraft Weight and Balance Handbook	Weight and Balance	Center of Gravity	Formulas
PLT005 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge	Aircraft Performance	Computations	Density Altitude
PLT012 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge	Navigation	Pilotage	Calculations
PLT013 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge	Aircraft Performance	Computations	Crosswind
PLT021 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge	Weight and Balance	Aircraft Loading	Weight & Balance Charts
PLT023 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge	Aircraft Systems	Flight Instruments	Altitude
PLT039 Aeronautical Information Manual	Airport Operations	Marking / Signs	Segmented Circle
PLT040 Aeronautical Information Manual	Airspace	Controlled	Class B
PLT044 Aeronautical Information Manual	Airport Operations	Uncontrolled	Radio Communications
	Flight Operations	Collision Avoidance	Traffic Advisories
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge	Air Traffic Control Procedures	Communications	Self-Announce
PLT059 AC 00-45 - Aviation Weather Services	Weather	Aeronautical Weather Reports	Aviation Routine Weather Reports (METAR)
PLT061 AC 00-45 - Aviation Weather Services	Weather	Aeronautical Weather Reports	Pilot Weather Reports
Aeronautical Information Manual	Weather	Aeronautical Weather Reports	Pilot Weather Reports
PLT064 Aeronautical Chart User's Guide	Navigation	Pilotage	Aeronautical Charts
Aeronautical Information Manual	Airspace	Controlled	Class E
	Navigation	Pilotage	Aeronautical Charts
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge	Airspace	Other	Military Training Routes
	Navigation	Pilotage	Aeronautical Charts
	Navigation	Pilotage	Calculations
Sectional Aeronautical Chart	Navigation	Pilotage	Aeronautical Charts
Publications		Aeronautical Charts	Sectional Aeronautical Charts

PLT068			
AC 00-45 - Aviation Weather Services			
Weather	Charts / Maps		Significant Weather Prognostic Charts
PLT072			
AC 00-45 - Aviation Weather Services			
Weather	Aeronautical Weather Reports		Terminal Aerodrome Forecasts (TAF)
PLT075			
AC 00-45 - Aviation Weather Services			
Weather	Charts / Maps		Weather Depiction Charts
PLT076			
AC 00-45 - Aviation Weather Services			
Weather	Aeronautical Weather Forecasts		Wind and Temperature Aloft Forecast
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge			
Weather	Aeronautical Weather Forecasts		Wind and Temperature Aloft Forecast
PLT077			
Aeronautical Information Manual			
Airport Operations	Marking / Signs		Displaced Threshold
PLT099			
Aeronautical Information Manual			
Flight Operations	Collision Avoidance		Vision in Flight
PLT101			
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge			
Navigation	Pilotage		Calculations
Sectional Aeronautical Chart			
Navigation	Pilotage		Airspace
Publications	Aeronautical Charts		Sectional Aeronautical Charts
PLT103			
AC 60-22 - Aeronautical Decision Making			
Human Factors	ADM		Hazardous Attitude
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge			
Human Factors	ADM		Hazardous Attitude
PLT104			
FAA-H-8083-2 - Risk Management Handbook			
Human Factors	ADM		Judgement
PLT115			
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge			
Aircraft Systems	Powerplant		Fueling
PLT116			
www.faa.gov - Search for ACs			
Publications	Advisory Circulars		Aquisition
Publications	Advisory Circulars		Subject Numbering
PLT119			
Aeronautical Information Manual			
Flight Operations	Approach		Collision Avoidance
PLT124			
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge			
Aircraft Performance	Atmospheric Effects		High Humidity
Aircraft Performance	Computations		Density Altitude
PLT125			
Aeronautical Information Manual			
Flight Operations	Normal Procedures		Scan
PLT128			
AC 00-6 - Aviation Weather			
Weather	Meteorology		Icing

PLT131		
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Aircraft Performance	Atmospheric Effects	Ground Effect
PLT140		
Aeronautical Information Manual		
Airport Operations	LAHSO	Procedures & Responsibility
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Airport Operations	LAHSO	Procedures & Responsibility
PLT141		
14 CFR part 91 General Operating and Flight Rules		
Regulations	14CFR Part 91	Light Gun Signals
Aeronautical Information Manual		
Airport Operations	Lighting	Rotating Beacon
Airport Operations	Marking / Signs	Runway
Airport Operations	Marking / Signs	Taxiway
Publications	Aeronautical Information Manual	Contents
FAA-H-8083-3 - Airplane Flying Handbook		
Airport Operations	Lighting	Taxiway
PLT147		
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Airport Operations	Lighting	VASI
FAA-H-8083-3 - Airplane Flying Handbook		
Flight Operations	Maneuvers	Ground Reference
PLT150		
Aeronautical Information Manual		
Airspace	Uncontrolled	Airport Advisory Areas
PLT161		
14 CFR part 71 Designation of Class A, B, C, D, and E Airspace Areas; Air Traffic Service Routes		
Regulations	14CFR Part 71	Airspace
14 CFR part 91 General Operating and Flight Rules		
Regulations	14CFR Part 91	Airspace
Aeronautical Information Manual		
Airspace	Controlled	Class C
Airspace	Controlled	Class D
Airport/Facility Directory		
Publications	Airport Facility Directory	Airport Remarks
Sectional Aeronautical Chart		
Airspace	Controlled	Class C
Airspace	Uncontrolled	Class G
PLT162		
Aeronautical Information Manual		
Airspace	Controlled	Class D
PLT163		
14 CFR part 91 General Operating and Flight Rules		
Regulations	14CFR Part 91	Airspace
Regulations	14CFR Part 91	Class D Operations
PLT166		
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Aircraft Systems	Flight Instruments	Altimeter
PLT170		
FAA-H-8083-3 - Airplane Flying Handbook		
Flight Operations	Landing	Roundout (Flare)
Flight Operations	Landing	Touchdown

PLT192			
AC 00-6 - Aviation Weather			
Weather	Meteorology		Clouds
PLT194			
AC 90-48 - Pilots` Role in Collision Avoidance			
Flight Operations	Collision Avoidance		MidAir
Aeronautical Information Manual			
Air Traffic Control Procedures	En Route		Radar
Flight Operations	Collision Avoidance		Judging Threats
Flight Operations	Collision Avoidance		Maneuvers
Human Factors	Aeromedical Factors		Fitness for Flight
FAA-H-8083-25 - Pilot`s Handbook of Aeronautical Knowledge			
Human Factors	Aeromedical Factors		Spatial Disorientation
PLT200			
FAA-H-8083-25 - Pilot`s Handbook of Aeronautical Knowledge			
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Aerodynamics

Principles of Flight

Forces Acting on Aircraft

PRIVATE PILOT—WEIGHT-SHIFT CONTROL (PWS)
Sample Questions

PRIVATE PILOT—WEIGHT-SHIFT CONTROL (PWS)

1. During a wing stall, the wing tips of a weight-shift control aircraft are

- A—effective only when combined with maximum engine output.
- B—ineffective for stall recovery.
- C—effective for stall recovery.

Answer: C.

Learning Statement: Recall flight characteristics—structural/wing design.

2. A typical two-stroke cycle piston engine ignition coil is powered by

- A—a battery or alternator.
- B—a battery.
- C—a magneto.

Answer: C.

Learning Statement: Recall starter/ignition system—types/components/operating principles/characteristics.

3. An ATC radar facility issues the following advisory to a pilot flying North in a calm wind:

‘TRAFFIC 9 O’CLOCK, 2 MILES, SOUTHBOUND...’

Where should the pilot look for this traffic?

- A—South.
- B—North.
- C—West.

Answer: C.

Learning Statement: Recall collision avoidance—scanning techniques

4. Under what condition may an aircraft operate from a satellite airport within Class C airspace?

- A—The pilot must file a flight plan prior to departure.
- B—The pilot must monitor ATC until clear of the Class C airspace.
- C—The pilot must contact ATC as soon as practicable after takeoff.

Answer: C.

Learning Statement: Recall airspace classes—limits/requirements/restrictions/airspeeds/equipment.

LIST OF REFERENCE MATERIALS SPECIFIC TO THE PRIVATE PILOT—WEIGHT-SHIFT CONTROL (PWS)

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PLT005 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge	Aircraft Performance	Computations
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PLT008 FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge	Aircraft Performance	Computations
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PLT059 AC 00-45 - Aviation Weather Services	Weather	Aeronautical Weather Reports
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FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
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PLT518		
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Weather	Meteorology	Windshear