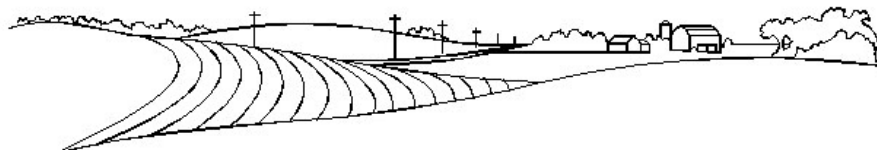
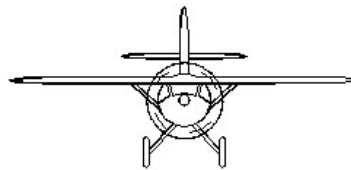


**RECREATIONAL PILOT
AND
PRIVATE PILOT
KNOWLEDGE TEST GUIDE**



October 2015



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	Visibility & Cloud Clearance
Aeronautical Information Manual		
Airspace	Controlled	Class E
Airspace	Special Use	MOA
FAA-H-8083-13 - Glider Flying Handbook		
Weather	Meteorology	Convergence
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
Navigation	Pilotage	Airspace
Publications	Airport Facility Directory	Parachute Jumping
PLT075		
AC 00-45 - Aviation Weather Services		
Weather	Charts / Maps	Weather Depiction Charts
PLT077		
Aeronautical Information Manual		
Airport Operations	Marking / Signs	Tetrahedron
Airport Operations	Marking / Signs	Traffic Pattern
PLT101		
14 CFR part 91 General Operating and Flight Rules		
Navigation	Pilotage	Visibility & Cloud Clearance
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Navigation	Pilotage	Calculations
Sectional Aeronautical Chart		
Navigation	Pilotage	Aeronautical Charts
Navigation	Pilotage	Airspace
Navigation	Pilotage	Flight Plans
Publications	Aeronautical Charts	Sectional Aeronautical Charts
PLT103		
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Human Factors	ADM	Hazardous Attitude
PLT116		
www.faa.gov - Search for ACs		
Publications	Advisory Circulars	Obtaining AC's
PLT120		
AC 00-6 - Aviation Weather		
Weather	Meteorology	Thunderstorms
PLT131		
FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge		
Aircraft Performance	Atmospheric Effects	Ground Effect
PLT132		
FAA-H-8083-13 - Glider Flying Handbook		
Flight Operations	X-C	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
Flight Operations	Maneuvers	Basic

PLT192[AC 00-6 - Aviation Weather](#)

Weather	Meteorology	Clouds
Weather	Meteorology	Stability

PLT194[Aeronautical Information Manual](#)

Air Traffic Control Procedures	En Route	Radar
Flight Operations	Collision Avoidance	Maneuvers
Human Factors	Aeromedical Factors	Fitness for Flight

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
	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
	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

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PLT430			
	14 CFR part 91 General Operating and Flight Rules		
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	14 CFR part 91 General Operating and Flight Rules		
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PLT445			
	AC 00-45 - Aviation Weather Services		
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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		
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	14 CFR part 61 Certification: Pilots, Flight Instructors, and Ground Instructors		
Regulations	14CFR Part 61		Flight Review
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	14 CFR part 91 General Operating and Flight Rules		
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	14 CFR part 91 General Operating and Flight Rules		
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	Sectional Aeronautical Chart		
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	AC 00-6 - Aviation Weather		
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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
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[Aeronautical Information Manual](#)

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

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Vortex Avoidance
Vortex Avoidance
Vortex Behavior

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

Weather Meteorology

Stability

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

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Weather Meteorology

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[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

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

Weather Meteorology

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