

Pre-solo knowledge test

Name _____ Date: _____

1. What is the minimum fuel requirement to begin any flight (see and discuss FAR 91.151) _____
2. What is the fuel consumption for your aircraft?
At Take-off continuous power _____ gal/hr.
At 75% continuous power _____ gal/hr.
3. Assume a cruise airspeed of 30 mph and an average fuel consumption of 6 gal/hr for your aircraft. You intend to fly to a point 15 miles away and immediately return to your point of departure. Winds are forecast to be calm. How much fuel should you have on board at departure? In minutes: _____. In Gallons: _____.
4. For the trip described in question 3, assume a forecast constant wind of 15 mph blowing directly from your point of departure toward the point you wish to overfly. How much fuel is required? Minutes: _____. Gallons: _____
5. Upon departing _____, what class of airspace are you in? _____
(enter departure location)
6. What is the minimum visibility requirement? _____ (See FAR 91.155 vs. 61.315 (c) (12))
7. What is your cloud clearance requirement? _____
8. When would the class of airspace change? _____. To what class? _____
9. Would visibility or cloud clearance requirement change? _____
If so, how? _____
10. How high are you allowed to fly above the departure location? MSL _____, AGL _____
11. How high are you allowed to fly in any location? _____
12. How early/late are you allowed to fly? _____
13. Where would you expect to encounter wake turbulence from another aircraft? _____
14. What is a normal precaution for overflying a power line or a mountain ridge? _____
15. How do you get an "official" weather briefing? _____
16. Define NOTAM _____ How do you get NOTAM information _____
17. Define TFR _____ How do you get TFR information? _____
18. What is the difference between a Sectional Chart and a Terminal Area Chart?

19. Upon inflation and before adding takeoff power, what do you check your canopy for?
_____, _____, _____, _____, _____
20. What location or atmospheric factors impact engine, propeller, and flight performance.
_____, _____, _____
21. Name several ways you could tell wind direction while airborne.
_____, _____, _____, _____, _____