Private Pilot Quiz #4: Aircraft Systems

1. Describe your engine
   1. \_\_\_\_\_Horsepower
   2. Carbureted or fuel injected (circle one)
   3. Normally \_\_\_\_\_\_\_\_\_\_\_\_\_\_
   4. Horizontally \_\_\_\_\_\_\_\_\_\_\_\_
   5. \_\_\_\_\_\_\_\_\_\_cooled
2. What are you adjusting when you move the mixture knob?
3. What can happen if you don’t lean the mixture during taxi?
4. When is carburetor ice most likely to happen?
5. How many magnetos do you have?  
   How many spark plugs?  
   What are the magnetos for?
6. What does the alternator power?
7. How many batteries do you have? How many volts?
8. What are the batterie(s) for? How long can they supply electricity to you?
9. What is detonation? Preignition? Explain on the back of this paper or to your instructor.