1. A ________ is a complete path that electrons travel from a power source (such as a battery) through a load such as a light bulb and back to the power source.

A. course  
B. watt  
C. circuit  
D. diagram

2. An ________ is any circuit that is not complete, or that lacks continuity, such as a broken wire.

3. High resistance can be caused by any of the following except:

A. Corroded connections or sockets  
B. Loose terminals in a connector  
C. Loose ground connections  
D. Worn Insulation

4. For any electrical circuit to work at all, it must be continuous from the __________ through all the wires and components, and back to the __________

5. _____ current will flow through an open circuit.

A. Little  
B. High  
C. No  
D. Direct
6. A ___________ in a vehicle is an example of devices that open a circuit to control its operation.

   A. wiper motor
   B. horn
   C. headlight switch
   D. light bulb

7. A ___________ is a type of short circuit that occurs when the current bypasses part of the normal circuit and flows directly to ground.

8. If there is high resistance anywhere in a circuit, it may cause all the following problems except:

   A. Slow operation of a motor-driven unit, such as the windshield wipers or blower motor
   B. Dim lights
   C. Excessively bright lights
   D. No operation of a circuit or electrical component

9. __________ can also be known as Electromotive force.

10. What circuit failure will most likely cause a fuse to blow?

    A. Short to voltage
    B. Short to ground
    C. High resistance
    D. Open