Maintenance and Light Repair
Workbook Chapter 24

Name: _____Class _____ Date: _____
Instructor:_____ Textbook Pages 276 – 281

Answer the questions and identify the page number that the answer was found in the textbook

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. Page ____

   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. Page ____

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 _____ Page ____

5. _____ current will flow through an open circuit. Page ____

   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. Page _____

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. Page ____

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

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. Page ____

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

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