

Manual Drivetrains and Axles 9th Edition

Chapter 14

Multiple Choice Quiz B

Name: _____

Date: _____

1. What does a voltmeter measure?

- A. Resistance
- B. Voltage
- C. Current
- D. Power

2. What materials are typically used as conductors in electrical systems?

- A. Copper and aluminum
- B. Rubber and plastic
- C. Fiberglass and ceramic
- D. Wood and glass

3. What is the characteristic of materials called semiconductors?

- A. They have more than four electrons in their outer orbit
- B. They have exactly four electrons in their outer orbit
- C. They have less than four electrons in their outer orbit
- D. They have no electrons in their outer orbit

4. In which type of electrical fault do two power-side wires touch each other?

- A. Open
- B. Short-to-ground
- C. Short-to-voltage
- D. Overload

5. What type of repair is appropriate for a wire exposed to the elements?

- A. Wire nuts and electrical tape
- B. Butt connectors
- C. Rosin-core solder and tape
- D. Solder and heat shrink

6. What is a module in an automotive electrical system also known as?

- A. BUS
- B. Node
- C. Terminator
- D. Resistor pack

7. What kind of connectors are used for wire repairs under the hood?

- A. Wire nuts
- B. Solder and heat shrink
- C. Crimp-and-seal connectors
- D. Butt connectors

8. What does high resistance in an electrical circuit cause?

- A. Dim lights and slow motors
- B. Increase in voltage
- C. Battery drain
- D. Fuse blow

9. How are relays typically tested for coil resistance?

- A. With an ammeter
- B. With an ohmmeter
- C. With a voltmeter
- D. With a test light

10. What does a short circuit usually involve?

- A. Current bypassing the resistance
- B. An increase in voltage
- C. Breakage in the wire
- D. Disconnection of the load

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Answer Key

1. B

2. A

3. B

4. C

5. D

6. B

7. C

8. A

9. B

10. A