

Name: \_\_\_\_\_

Date: \_\_\_\_\_

1. Two technicians are discussing fuse testing. Which technician is correct?
  - A. Technician A only (a test light should light on both test points of the fuse if it is okay)
  - B. Technician B only (the fuse is defective if a test light only lights on one side of the fuse)
  - C. Both Technicians A and B
  - D. Neither Technician A nor B
  
2. The term used to describe how high-frequency AC electricity flows through a conductor is called \_\_\_\_\_.
  - A. Surface effect
  - B. Outer flow
  - C. Skin effect
  - D. Edge effect
  
3. Body ground wires are necessary to provide a circuit path for \_\_\_\_\_.
  - A. the lights and accessories that ground to the body and flow to the negative battery terminal
  - B. the positive battery terminal
  - C. the engine and transmission
  - D. the vehicle's chassis
  
4. Battery cables are the largest wires used in the automotive electrical system. The cables are usually \_\_\_\_\_.
  - A. 10-gauge
  - B. 6-gauge
  - C. 4-gauge, 2-gauge, or 1-gauge wires
  - D. 0-gauge
  
5. Black conduit with a green or blue stripe is designed for \_\_\_\_\_.
  - A. low temperatures and is used inside the vehicle cabin
  - B. high temperatures and is used under the hood and near hot engine parts
  - C. medium temperatures and is used in the trunk area
  - D. ambient temperatures and is used in the vehicle's undercarriage
  
6. Fusible links are designed to melt when \_\_\_\_\_.
  - A. the current flow is less than the rating of the link
  - B. the voltage drops below a certain level
  - C. the current flow exceeds the rating of the link
  - D. the temperature of the link drops below freezing
  
7. A crimp-and-seal connector is heated until \_\_\_\_\_.
  - A. the tubing expands around the wire splice
  - B. the tubing shrinks around the wire splice, and thermoplastic glue melts on the inside
  - C. the connector becomes soft and pliable
  - D. the connector becomes hard and brittle

8. A butane torch designed for use on heat shrink applies heat without \_\_\_\_\_.

- A. any heat
- B. an open flame
- C. melting the tubing
- D. using electricity

9. Battery cables and jumper cables are \_\_\_\_\_.

- A. higher AWG number than standard wiring
- B. larger diameter wire compared to regular wires used for electrical accessories
- C. lower AWG number than standard wiring
- D. Both B and C

10. Which statement is true about fuse ratings?

- A. The fuse rating should be less than the maximum current for the circuit.
- B. The fuse rating should be higher than the normal current for the circuit.
- C. Of the fuse rating, 80% should equal the current in the circuit.
- D. Both B and C

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Chapter 41

Multiple Choice Quiz B

Answer Key

1. C

2. C

3. A

4. C

5. B

6. C

7. B

8. B

9. D

10. D