

Name: _____ Date: _____

1. Wire Diameter: The higher the AWG number, _____.
 - A. the smaller the wire diameter
 - B. the larger the wire diameter
 - C. the thicker the insulation
 - D. the more strands in the conductor core

2. 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

3. 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

4. Which statement(s) is/are true about wire, terminals, and connectors?
 - A. Wire is called a lead, and the metal end is a connector.
 - B. A connector is usually a plastic piece where terminals lock in.
 - C. A lead and a terminal are the same thing.
 - D. Both a and c

5. Solder Type: The type of solder that should be used for electrical work is _____.
 - A. rosin core
 - B. acid core
 - C. 60/40 with no flux
 - D. 50/50 with acid paste flux

6. A technician is performing a wire repair on a circuit under the hood of the vehicle. Which technician is correct?
 - A. Technician A only (use solder and adhesive-lined heat shrink tubing or a crimp-and-seal connector)
 - B. Technician B only (solder and use electrical tape)
 - C. Both Technicians A and B
 - D. Neither Technician A nor B

7. 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

8. Many ground straps are uninsulated and braided because _____.
- A. they are more flexible to allow movement of the engine without breaking the wire
 - B. they are less expensive than conventional wire
 - C. they help dampen radio-frequency interference (RFI)
 - D. Both a and c
9. What causes a fuse to blow?
- A. A decrease in circuit resistance
 - B. An increase in the current flow through the circuit
 - C. A sudden decrease in current flow through the circuit
 - D. Both a and b
10. A vehicle has some wiring covered with orange conduit. This indicates a _____ circuit.
- A. 42-volt
 - B. 12 to 16-volt
 - C. variable voltage
 - D. high-voltage

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Chapter 41

Multiple Choice Quiz A

Answer Key

1. A

2. D

3. D

4. B

5. A

6. A

7. C

8. D

9. B

10. D