

*Automotive Heating and Air Conditioning, 9th Edition*

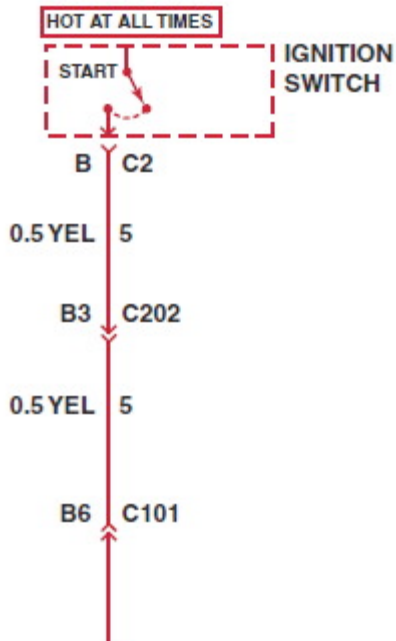
**Quiz 11A**

NAME \_\_\_\_\_

1. An electrical conductor is an element with \_\_\_\_\_ electrons in its outer orbit. 1. \_\_\_\_\_
- A) less than 2
  - B) less than 4
  - C) exactly 4
  - D) more than 4

2. A module is also known as a \_\_\_\_\_. 2. \_\_\_\_\_
- A) BUS
  - B) node
  - C) terminator
  - D) resistor pack

3. In this diagram the number "0.5" refers to \_\_\_\_\_. 3. \_\_\_\_\_



- A) the size of the wire
- B) the circuit number
- C) current flow in the circuit
- D) the wire color

4. If a wire repair, such as that made under the hood or under the vehicle, is exposed to the elements, which type of repair should be used? 4. \_\_\_\_\_
- A) Wire nuts and electrical tape
  - B) Solder and adhesive-lined heat shrink or crimp-and-seal connectors
  - C) Butt connectors
  - D) Rosin-core solder and electrical tape

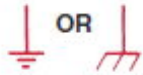
5. Ammeters should be connected \_\_\_\_\_ with the circuit being tested. 5. \_\_\_\_\_  
A) in series  
B) in parallel  
C) across a load  
D) next to a load

6. Technician A says that module communications networks are used to reduce the number of wires in a vehicle. Technician B says that a communications network is used to share data from sensors, which can be used by many different modules. Which technician is correct? 6. \_\_\_\_\_  
A) Technician A only  
B) Technician B only  
C) Both technicians A and B  
D) Neither technician A nor B

7. A high-speed CAN BUS communicates with a scan tool through which terminals? 7. \_\_\_\_\_  
A) 6 and 14  
B) 2 and 5  
C) 7 and 15  
D) 4 and 16

8. A complete circuit that is continuous from source through loads and back to ground has \_\_\_\_\_.  
A) continuity  
B) congruency  
C) Both A and B  
D) Neither A nor B

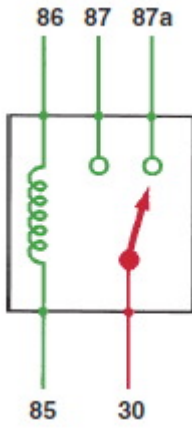
9. The symbol in the figure below indicates a \_\_\_\_\_. 9. \_\_\_\_\_



- A) battery
- B) capacitor
- C) diode
- D) ground

10. This drawing is a representation of a/an \_\_\_\_\_.

10. \_\_\_\_\_



- A) relay
- B) ignition coil
- C) potentiometer
- D) vacuum switch

## Answer Key

Testname: AHAC9\_11A

1. B  
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2. B  
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3. A  
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4. B  
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5. A  
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6. C  
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7. A  
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8. A  
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