

Name: _____

Date: _____

1. In a blend-air system, how is the right temperature achieved?
 - A. All of the air is cooled and then reheated.
 - B. All of the air is cooled, and some of it is reheated and blended with cool air.
 - C. Only a portion of the air is cooled.
 - D. All of the air is reheated without cooling.

2. What is the primary function of the HVAC control head or panel?
 - A. Control the engine temperature.
 - B. Regulate the vehicle's speed.
 - C. Control the air conditioning and heating settings.
 - D. Monitor the vehicle's fuel efficiency.

3. Which of the following is NOT a control included in the HVAC control head?
 - A. System on and off
 - B. Fuel efficiency monitor
 - C. Mode position (floor, vent, or defrost)
 - D. Blower speed

4. In a dual-zone air distribution system, what can the temperature choices differ by?
 - A. 10°F (5°C)
 - B. 20°F (11°C)
 - C. 30°F (16°C)
 - D. 40°F (22°C)

5. Which of the following is NOT a name by which the cabin filter can be referred to?
 - A. Interior filter
 - B. Ventilation filter
 - C. Pollen filter
 - D. Airflow regulator

6. What is the primary function of particle filters used as cabin filters?
 - A. Remove noxious gases and odors.
 - B. Control the airflow in the vehicle.
 - C. Remove solid particles such as dust and pollen.
 - D. Regulate the temperature of the air.

7. Which of the following components is NOT typically found in the evaporator and heater housing?
 - A. Evaporator
 - B. Heater core
 - C. Air control doors
 - D. Fuel injector

8. How does a typical two-wire actuator function?

- A. It rotates when electric impulses are sent to the brushes by the HVAC control head.
- B. It uses a power, ground, and an input signal wire.
- C. It uses two wires for power and three wires for a potentiometer.
- D. It operates purely mechanically without electrical connections.

9. What does a typical three-wire actuator use for its operation?

- A. A power, ground, and an input signal wire.
- B. Two wires for power and one for direction control.
- C. Three wires for a feedback potentiometer.
- D. Three wires for static electricity protection.

10. In a five-wire actuator, what is the function of the three wires apart from power and ground?

- A. Direction control
- B. Redundant control
- C. A feedback potentiometer
- D. Static electricity protection

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Chapter 62

Multiple Choice Quiz A

Answer Key

1. B

2. C

3. B

4. C

5. D

6. C

7. D

8. A

9. A

10. C