

*Automotive Heating and Air Conditioning, 9th Edition*

**Quiz 7A**

**NAME** \_\_\_\_\_

1. What is the control device used inside an electric A/C control actuator? 1. \_\_\_\_\_
  - A) Solenoid
  - B) Electric motor
  - C) Vacuum motor
  - D) Linear divider
  
2. The ram air that enters the vehicle from the outside enters the HVAC system from \_\_\_\_\_. 2. \_\_\_\_\_
  - A) beside the headlight
  - B) behind the grill
  - C) the side vents
  - D) the base of the windshield
  
3. The \_\_\_\_\_ door is used to select air discharge location, such as floor, vent, or defrost. 3. \_\_\_\_\_
  - A) mode
  - B) recirculation
  - C) fresh air
  - D) Any of the above
  
4. The air inlet control door is also called \_\_\_\_\_. 4. \_\_\_\_\_
  - A) fresh air door
  - B) recirculation door
  - C) outside air door
  - D) Any of the above
  
5. What is a "reheat" system? 5. \_\_\_\_\_
  - A) A system that uses two heater cores
  - B) A system that cools the air through the evaporator then heats the air through airflow through the heater core
  - C) A system that uses both engine coolant and an electronic heater to heat the air
  - D) Any of the above depending on the make and model of vehicle
  
6. Most recent HVAC actuators are recalibrated after replacement by \_\_\_\_\_. 6. \_\_\_\_\_
  - A) using a battery and jumper wires
  - B) using a scan tool or allow it to self-learn after being installed
  - C) turning the ignition switch to the off position
  - D) None of the above
  
7. What does the snowflake button on the dash do? 7. \_\_\_\_\_
  - A) Selects defrost
  - B) Selects defog
  - C) Turns on the A/C compressor
  - D) Selects fresh outside air

8. A dual-zone HVAC system allows the \_\_\_\_\_ to select different temperature settings. 8. \_\_\_\_\_
- A) front seat and rear seat occupants
  - B) driver and passenger
  - C) rear seat passengers in an SUV
  - D) None of these
9. If an A/C system is set to "BI-LEVEL" where is the air directed? 9. \_\_\_\_\_
- A) Floor only
  - B) Floor and defrost
  - C) Dash vents only
  - D) Dash vents and floor
10. Which of these devices is NOT used to control the airflow in an HVAC system? 10. \_\_\_\_\_
- A) Vacuum motor
  - B) Electric motor
  - C) Cable
  - D) Exciter module

## Answer Key

Testname: AHAC9\_7A

1. B  
Page Ref: 93
2. D  
Page Ref: 89
3. A  
Page Ref: 87
4. D  
Page Ref: 91
5. B  
Page Ref: 89
6. B  
Page Ref: 97
7. C  
Page Ref: 89
8. B  
Page Ref: 93
9. D  
Page Ref: 93
10. D  
Page Ref: 93-94