

Name _____

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

- 1) Cabin filters can be replaced and are located by an access panel _____. 1) _____
 - A) Under the hood
 - B) Under the dash (usually behind the glove box)
 - C) Under the vehicle
 - D) Either A or B

- 2) The AC condenser is located _____ the radiator. 2) _____
 - A) In front of
 - B) Behind
 - C) Under
 - D) Inside

- 3) The compressor clutch makes a _____ sound when it is turned on. 3) _____
 - A) Skipping
 - B) Clicking
 - C) Rotating
 - D) Muffled

- 4) When the HVAC controls are placed in the "heat" position, where does the air flow? 4) _____
 - A) From the floor vents
 - B) From the dash vents
 - C) From the floor and windshield (defrost) vents
 - D) To the outside dash vents only

- 5) Water discovered on the floor on the passenger side of a vehicle is an indication of what problem? 5) _____
 - A) Clogged evaporator drain
 - B) Clogged condenser
 - C) Leaking refrigerant
 - D) Defective AC compressor

- 6) The proper dash vent temperature for an air condition system should be _____. 6) _____
 - A) 32°F (90°C)
 - B) 10°F below ambient
 - C) 35°F–45°F (2°C–7°C) or 30°F (15°C) cooler than the outside air temperature
 - D) Any of the above

- 7) An airflow (blend) door may be broken if _____. 7) _____
 - A) There is a clicking noise from the actuator motor assembly as it tries to move a broken door
 - B) Outlet temperature can change from hot to cold or from cold to hot at any time especially when cornering
 - C) There is a change in the temperature when the fan speed is changed
 - D) Any of the above

- 8) An AC system is not cooling as it should. This could be caused by all of these EXCEPT _____. 8) _____
- A) Low refrigerant charge
 - B) Compressor clutch not engaged
 - C) Low coolant level in the radiator
 - D) Broken blend door
- 9) The AC compressor clutch is being checked to see if it is engaged. Technician A says that if the drive belt is moving, the compressor is working. Technician B says that the compressor will often "click" when it is energized and de-energized. Which technician is correct? 9) _____
- A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician
- 10) A refrigerant leak can be detected by _____. 10) _____
- A) Looking for oily areas (visual inspection)
 - B) Using an electronic leak detector
 - C) Using a soap solution and looking for bubbles
 - D) Any of the above

Answer Key

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1) D

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2) A

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3) B

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4) C

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5) A

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6) C

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7) D

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8) C

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9) B

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10) D

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