

Name _____

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

- 1) A refrigerant leak is sometimes indicated by the presence of _____ at the system fittings. 1) _____
A) Water vapor
B) Oily residue
C) Coolant
D) Ozone
- 2) Technician A says that one heater hose should be hot and the other hose cool if the heater is functioning okay. Technician B says that both hoses should be hot to the touch. Which technician is correct? 2) _____
A) Technician A only
B) Technician B only
C) Both technicians
D) Neither technician
- 3) Which of the following is used in a a vehicle to transfer heat energy? 3) _____
A) Refrigerant
B) Engine coolant
C) Both A and B are correct
D) Neither A nor B are correct
- 4) Clear water is observed dripping out from beneath the vehicle. Technician A says that is normal. Technician B says that the evaporator housing is defective and should be replaced. Which technician is correct? 4) _____
A) Technician A only
B) Technician B only
C) Both technicians
D) Neither technician
- 5) Most rigid refrigerant lines are made of _____. 5) _____
A) Aluminum
B) Copper
C) Steel
D) Titanium
- 6) Where in the air conditioning system is the refrigerant a low pressure gas? 6) _____
A) Condenser outlet
B) Evaporator outlet
C) Evaporator inlet
D) Condenser inlet

- 7) A main source of heat used to warm the passenger compartment is _____ 7) _____
- A) Ambient air.
 - B) Sunlight.
 - C) Humidity.
 - D) The vehicle engine.
- 8) If the air conditioning performance test shows less than 45° F at the center vent, the AC is working normally. 8) _____
- A) True
 - B) False
- 9) A customer complains that the heater works sometimes, but sometimes only cold air comes out while driving. Technician A says that the A/C system may not have enough refrigerant in the system. Technician B says that the cooling system could be low on coolant. Which technician is correct? 9) _____
- A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician
- 10) A properly operating air conditioning system should be able to provide air discharge airflow at the center vents at what temperature range? 10) _____
- A) 65-72° F (18-22°C)
 - B) 55-64° F (13-18°C)
 - C) 45-54° F (7-12°C)
 - D) 35-45° F (2-7°C)

Answer Key

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1) B

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2) B

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3) C

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4) A

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5) A

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6) B

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7) D

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8) A

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9) B

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10) D

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