

Name _____

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

- 1) The TXV is located at the _____. 1) _____
 - A) Evaporator outlet
 - B) Evaporator inlet
 - C) Condenser outlet
 - D) Condenser inlet

- 2) In an A/C system, the refrigerant changes state from a _____ in the evaporator. 2) _____
 - A) Liquid to a gas
 - B) Gas to a liquid
 - C) Both A and B
 - D) Neither A nor B

- 3) Compressing a vapor _____. 3) _____
 - A) Increases the pressure and decreases the temperature
 - B) Decreases the pressure and increases the temperature
 - C) Decreases the pressure and decreases the temperature
 - D) Increases the pressure and increases the temperature

- 4) The refrigerant is circulated through the system by a _____. 4) _____
 - A) Condenser
 - B) Evaporator
 - C) Compressor
 - D) Thermal expansion valve or orifice tube

- 5) Desiccant is placed in the receiver-drier or accumulator-drier _____. 5) _____
 - A) As this is the only place that it can be located
 - B) To slow down refrigerant flow
 - C) To absorb moisture from the system
 - D) To trap excess oil in the system

- 6) The high side of the refrigeration cycle means it _____. 6) _____
 - A) Has low pressure and temperature
 - B) Begins at the expansion device and ends at the compressor
 - C) Has higher pressures and temperatures
 - D) The refrigerant boils or evaporates

- 7) What two things are accomplished in the condenser? 7) _____
 - A) Latent heat is removed
 - B) Refrigerant changes from a gas to a liquid
 - C) Both A and B
 - D) Neither A nor B

- 8) The condenser _____ . 8) _____
- A) Is a heat exchanger
 - B) Is a device where air passing over it cools the refrigerant and causes it to condense into a high-temperature liquid
 - C) Transfers heat from the refrigerant to the air flowing
 - D) All of the above
- 9) The temperature of the refrigerant as it leaves the compressor on the discharge side should be _____ . 9) _____
- A) Warm
 - B) Cool
 - C) Cold
 - D) Hot
- 10) The low side of the refrigeration cycle means _____ . 10) _____
- A) It has low pressure and temperature
 - B) It begins at the compressor and ends at the expansion device
 - C) That the refrigerant condenses
 - D) It is called the liquid line

Answer Key

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1) B

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2) A

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3) D

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4) C

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5) C

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6) C

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7) C

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8) D

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9) D

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10) A

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