

Name \_\_\_\_\_

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

- 1) Where in the air conditioning system is the refrigerant a high pressure liquid? 1) \_\_\_\_\_
  - A) Condenser outlet
  - B) Evaporator outlet
  - C) Evaporator inlet
  - D) Condenser inlet
  
- 2) The orifice tube divides the high side of the system from the low side. 2) \_\_\_\_\_
  - A) True
  - B) False
  
- 3) A fixed-orifice tube \_\_\_\_\_. 3) \_\_\_\_\_
  - A) has a temperature sensing capability
  - B) has a pressure sensing capability
  - C) is usually located in the evaporator inlet or line to the evaporator
  - D) has an internal valve
  
- 4) What are the state(s) of the refrigerant in the accumulator? 4) \_\_\_\_\_
  - A) Liquid
  - B) Vapor
  - C) Both A and B
  - D) Neither A nor B
  
- 5) A thermal expansion valve has a \_\_\_\_\_ orifice, whereas an orifice tube uses a \_\_\_\_\_ orifice to control refrigerant flow. 5) \_\_\_\_\_
  - A) digital; analog
  - B) drain; fill
  - C) open; closed
  - D) variable; fixed
  
- 6) Which of the following is used in modern automobiles to transfer heat energy? 6) \_\_\_\_\_
  - A) Refrigerant
  - B) Engine coolant
  - C) Both A and B are correct
  - D) Neither A nor B are correct
  
- 7) Compressing a vapor \_\_\_\_\_. 7) \_\_\_\_\_
  - 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

8) Technician A says that any technician that handles automotive refrigerant must be certified in knowledge of regulations by an EPA approved agency. Technician B says that recycling equipment must be properly approved. Who is correct? 8) \_\_\_\_\_

- A) Technician A only
- B) Technician B only
- C) Both technicians
- D) Neither technician

9) A main source of heat used to warm the passenger compartment is \_\_\_\_\_. 9) \_\_\_\_\_

- A) ambient air
- B) sunlight
- C) humidity
- D) the vehicle engine

10) Technician A says that heat is measured in degrees. Technician B says that temperature is measured in degrees. Which technician is correct? 10) \_\_\_\_\_

- A) Technician A only
- B) Technician B only
- C) Both technicians
- D) Neither technician

## Answer Key

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1) A

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2) A

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3) C

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4) C

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5) D

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6) C

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7) D

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8) C

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9) D

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10) B

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