

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