

Name: _____ Date: _____

1. What is the primary function of the desiccant in an A/C system?
 - A. To increase the refrigerant flow
 - B. To remove all traces of water vapor
 - C. To regulate the temperature of the system
 - D. To lubricate the moving parts

2. Which of the following is NOT a function of the accumulator?
 - A. Prevents liquid refrigerant from passing to the compressor
 - B. Holds the desiccant
 - C. Regulates the temperature of the evaporator
 - D. Holds a reserve of refrigerant

3. What is the primary purpose of the condenser in an A/C system?
 - A. To circulate the refrigerant
 - B. To transfer heat from the refrigerant to the air
 - C. To store the refrigerant
 - D. To regulate the pressure of the system

4. The compressor in an A/C system primarily serves as the:
 - A. Pump
 - B. Heat exchanger
 - C. Storage unit
 - D. Pressure regulator

5. Which of the following lines connects the compressor to the condenser inlet?
 - A. Discharge line
 - B. Liquid line
 - C. Suction line
 - D. Evaporator line

6. The suction line in an A/C system typically has an ID of:
 - A. 5/16 inch
 - B. 13/32 inch
 - C. 1/2 inch or 5/8 inch
 - D. 3/4 inch

7. When replacing the compressor, evaporator, or TXV, it's recommended to also replace the:
 - A. Condenser
 - B. Orifice tube
 - C. Suction line
 - D. Receiver–drier or accumulator

8. What is the primary function of the TXV in an A/C system?

- A. To store refrigerant
- B. To remove moisture from the system
- C. To regulate the flow of refrigerant into the evaporator
- D. To connect the compressor to the condenser

9. In an A/C system, the orifice tube is typically located at the inlet tube to the:

- A. Condenser
- B. Compressor
- C. Receiver–drier
- D. Evaporator

10. Which of the following statements about A/C systems is true?

- A. The TXV system uses a receiver–drier mounted in the suction line
- B. The orifice tube system uses an accumulator in the suction line
- C. Both A and B
- D. Neither A nor B

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Chapter 61

Multiple Choice Quiz A

Answer Key

1. B

2. C

3. B

4. A

5. A

6. C

7. D

8. C

9. D

10. B