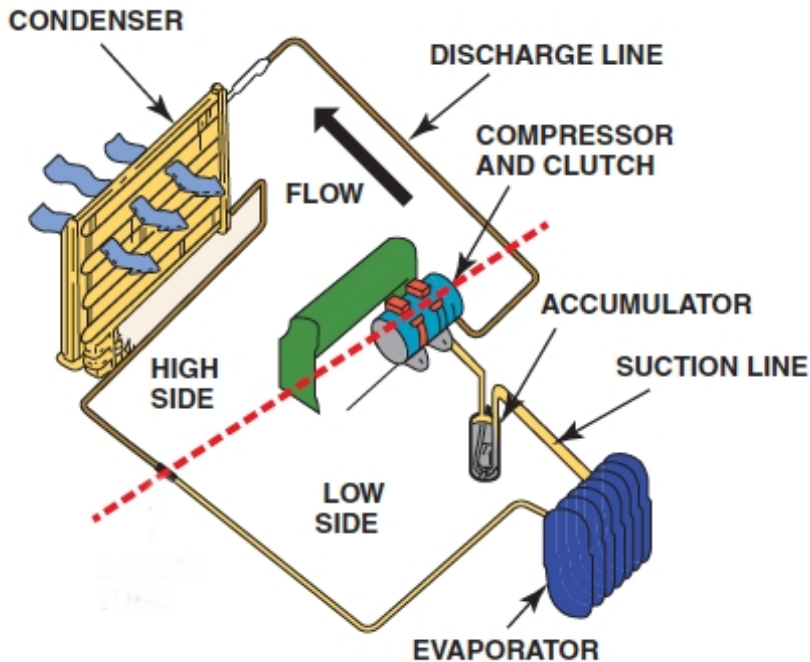


MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

- 1) The refrigerant is circulated through the system by a \_\_\_\_\_.
- |  |               |          |
|--|---------------|----------|
| A) Thermal expansion valve or orifice tube | B) Evaporator | 1) _____ |
| C) Compressor                              | D) Condenser  |          |

- 2) What type of A/C system is shown in this diagram? \_\_\_\_\_



- |               |                        |
|---------------|------------------------|
| A) TXV system | B) Orifice tube system |
| C) VAT system | D) Vapor system        |

- 3) As the refrigerant passes through the condenser, it \_\_\_\_\_.
- |   |                             |          |
|---|-----------------------------|----------|
| A) Gives up latent heat to the air flow | B) Is cooled by ambient air | 3) _____ |
| C) Condenses from a gas to a liquid     | D) All of these             |          |

- 4) An accumulator is very similar to a(n) \_\_\_\_\_.
- |                   |                 |              |               |          |
|-------------------|-----------------|--------------|---------------|----------|
| A) Receiver-drier | B) Orifice tube | C) Condenser | D) Evaporator | 4) _____ |
|-------------------|-----------------|--------------|---------------|----------|

- 5) The condenser \_\_\_\_\_.
- |   |          |
|---|----------|
| A) Is a heat exchanger  | 5) _____ |
| 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   |          |

- 6) Pressures are controlled in an orifice tube (OT) system by \_\_\_\_\_. 6) \_\_\_\_\_
- A) Using a variable valve
  - B) Cycling an electromagnetic compressor clutch on and off as needed
  - C) Using a variable displacement compressor
  - D) Either B or C
- 7) In a properly operating system, the evaporator temperature is about \_\_\_\_\_. 7) \_\_\_\_\_
- A) 35°F
  - B) 30°F
  - C) 32°F
  - D) 25°F
- 8) When the refrigerant evaporates, it absorbs heat when it changes from liquid to gas. In which unit does this occur? 8) \_\_\_\_\_
- A) Thermal expansion valve or orifice tube
  - B) Condenser
  - C) Compressor
  - D) Evaporator
- 9) Heat travels from \_\_\_\_\_. 9) \_\_\_\_\_
- A) From outside the vehicle to inside the vehicle
  - B) Either from hot to cool or the other way depending on the weather
  - C) Cold to warmer
  - D) Hot to cooler
- 10) Desiccant is placed in the receiver-drier or accumulator-drier \_\_\_\_\_. 10) \_\_\_\_\_
- A) To absorb moisture from the system
  - B) To trap excess oil in the system
  - C) As this is the only place that it can be located
  - D) To slow down refrigerant flow