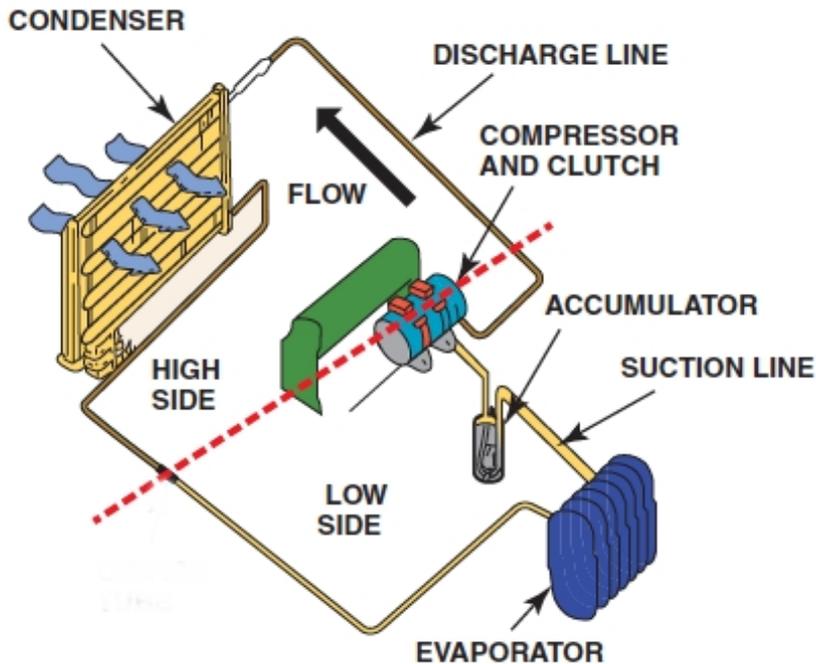


MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

- 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