

Name \_\_\_\_\_

8tHtacch-7

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

- 1) Technician A says used coolant should never be recycled. Technician B says coolant types that include DEX-COOL are ethylene glycol-based. Which technician is correct? 1) \_\_\_\_\_  
A) Technician A only B) Technician B only  
C) Both technicians D) Neither technician
- 2) Coolant absorbs heat from the engine when it is running. What is done with the absorbed heat? 2) \_\_\_\_\_  
A) The heat is transferred to the radiator  
B) The heat is transferred to the air by the AC system  
C) It is removed by resistance  
D) The heat is stored in the heater core

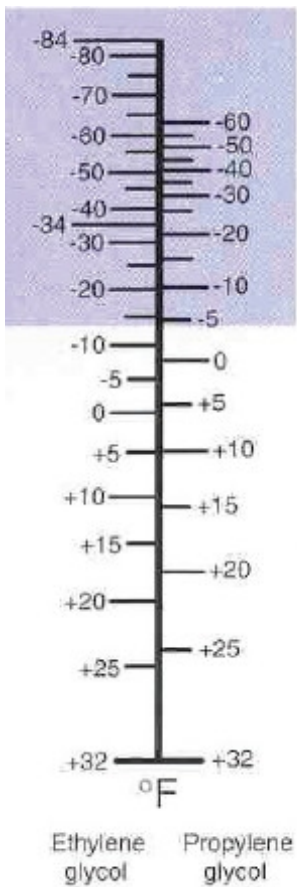
TRUE/FALSE. Write 'T' if the statement is true and 'F' if the statement is false.

- 3) A chemical barrier is formed by the coolant that can be enhanced by changing to a different type of coolant. 3) \_\_\_\_\_

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

- 4) DEX-COOL coolant is composed mostly of which of these chemicals? 4) \_\_\_\_\_  
A) Methanol B) Ethylene glycol  
C) Alcohol D) Propylene glycol
- 5) Technician A says that galvanic activity is the result of a poor ground connection. Technician B says that electrolysis can occur with a poor ground connection. Which technician is correct? 5) \_\_\_\_\_  
A) Technician A only B) Technician B only  
C) Both technicians D) Neither technician
- 6) Which mixture of coolant/water solution below is recommended for general automotive use? 6) \_\_\_\_\_  
A) 100/0 B) 50/50 C) 30/70 D) 70/30
- 7) Technician A says that OAT type coolant should be changed every 2 years. Technician B says that IAT type coolant should be changed every 2 years. Which technician is correct? 7) \_\_\_\_\_  
A) Technician A only B) Technician B only  
C) Both technicians D) Neither technician
- 8) The pH of coolant is tested using a \_\_\_\_\_. 8) \_\_\_\_\_  
A) Hydrometer B) Voltmeter C) Refractometer D) Test strip

9) A late model vehicle's coolant is being tested. The refractometer reading shows a freezing point of \_\_\_\_\_ 9) \_\_\_\_\_



- A) -5°F
- B) -14°F
- C) -34°F
- D) None of these

10) A normal reading when testing for electrolysis in the coolant is \_\_\_\_\_. 10) \_\_\_\_\_

- A) Less than 300 mV
- B) 5 V or more
- C) At least .5 V
- D) More than .5 V