

Name \_\_\_\_\_

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

- 1) Reusing old coolant is generally not approved by vehicle manufacturers, with the exception of \_\_\_\_\_ 1) \_\_\_\_\_  
\_\_\_\_\_.
- A) General Motors
  - B) Ford
  - C) Chrysler
  - D) Mercedes
- 2) Which of the following antifreeze / water mix has the lowest freeze point? 2) \_\_\_\_\_
- A) Pure antifreeze
  - B) 50 / 50 mixture
  - C) Pure water
  - D) 60% antifreeze / 40% water
- 3) Using 100% coolant in the cooling system improves the cooling capacity of the system. 3) \_\_\_\_\_
- A) True
  - B) False
- 4) As the percentage of antifreeze in the coolant increases, \_\_\_\_\_. 4) \_\_\_\_\_
- A) the freeze point decreases (up to a point)
  - B) the boiling point decreases
  - C) the heat transfer increases
  - D) All of the above occurs.
- 5) 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? 5) \_\_\_\_\_
- A) Technician A only
  - B) Technician B only
  - C) Both technicians
  - D) Neither technician
- 6) What percentage of coolant is water? 6) \_\_\_\_\_
- A) 80%
  - B) 50%
  - C) 30%
  - D) 10%
- 7) Some manufacturers recommend using premixed coolant only in their vehicles. 7) \_\_\_\_\_
- A) True
  - B) False

- 8) A normal reading when testing coolant for galvanic activity is \_\_\_\_\_. 8) \_\_\_\_\_
- A) less than 200 mV
  - B) at least .5 V
  - C) more than .5 V
  - D) 5 V or more
- 9) Technician A says that used coolant should never be recycled. Technician B says that coolant types that include DEX-COOL are ethylene glycol-based. Who is right? 9) \_\_\_\_\_
- A) Technician A only
  - B) Technician B only
  - C) Both technicians
  - D) Neither technician
- 10) 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? 10) \_\_\_\_\_
- A) Technician A only
  - B) Technician B only
  - C) Both technicians
  - D) Neither technician

## Answer Key

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1) D

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2) D

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3) B

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4) A

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5) B

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6) B

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7) A

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8) A

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9) B

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10) B

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