

Name \_\_\_\_\_

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

- 1) A normal reading when testing coolant for galvanic activity is \_\_\_\_\_. 1) \_\_\_\_\_
  - A) Less than 200 mV
  - B) At least .5 V
  - C) More than .5 V
  - D) 5 V or more
  
- 2) DEX-COOL is what type of coolant? 2) \_\_\_\_\_
  - A) IAT
  - B) OAT
  - C) HOAT
  - D) PHOAT
  
- 3) Testing for galvanic activity is done with the coolant \_\_\_\_\_ and the engine \_\_\_\_\_. 3) \_\_\_\_\_
  - A) Cool; not running
  - B) Warm; running
  - C) Cool; running
  - D) Warm; engine not running
  
- 4) Coolant is water and \_\_\_\_\_. 4) \_\_\_\_\_
  - A) Methanol
  - B) Glycerin
  - C) Kerosene
  - D) Ethylene glycol
  
- 5) As the percentage of antifreeze in the coolant increases, \_\_\_\_\_. 5) \_\_\_\_\_
  - 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
  
- 6) The pH of coolant is tested using a \_\_\_\_\_. 6) \_\_\_\_\_
  - A) Test strip
  - B) Hydrometer
  - C) Refractometer
  - D) Voltmeter
  
- 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) Coolant absorbs heat from the engine when it is running. What is done with the absorbed heat? 8) \_\_\_\_\_
- A) It is removed by resistance
  - B) The heat is stored in the heater core
  - C) The heat is transferred to the air by the AC system
  - D) The heat is transferred to the radiator
- 9) A chemical barrier is formed by the coolant that can be enhanced by changing to a different type of coolant. 9) \_\_\_\_\_
- A) True
  - B) False
- 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

Testname: AHAC8\_7B

1) A

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2) B

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3) A

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4) D

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5) A

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6) A

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7) B

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8) D

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9) B

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10) B

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