

Name _____

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

- 1) Two technicians are discussing testing coolant for proper pH. Technician A says that coolant has a pH above 7 when new and becomes lower with use in an engine. Technician B says that OAT and HOAT coolants have a lower pH when new compared to the old green IAT coolant. Which technician is correct? 1) _____
 - A) Technician A
 - B) Technician B
 - C) Both technicians
 - D) Neither technician

- 2) Testing for galvanic activity is done with the coolant _____ and the engine _____. 2) _____
 - A) Cool; not running
 - B) Warm; running
 - C) Cool; running
 - D) Warm; engine not running

- 3) 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? 3) _____
 - A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician

- 4) A chemical barrier is formed by the coolant that can be enhanced by changing to a different type of coolant. 4) _____
 - A) True
 - B) False

- 5) Reusing old coolant is generally not approved by vehicle manufacturers, with the exception of _____. 5) _____
 - A) General Motors
 - B) Ford
 - C) Chrysler
 - D) Mercedes

- 6) All these are functions of coolant EXCEPT _____. 6) _____
 - A) Corrosion inhibitor
 - B) Rust inhibitor
 - C) Cooling system lubricant
 - D) Increases air flow across the radiator

- 7) 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? 7) _____
- A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician
- 8) As the percentage of antifreeze in the coolant increases, _____. 8) _____
- 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
- 9) Asian red coolant is what type? 9) _____
- A) IAT
 - B) OAT
 - C) HOAT
 - D) PHOAT
- 10) DEX-COOL is what type of coolant? 10) _____
- A) IAT
 - B) OAT
 - C) HOAT
 - D) PHOAT

Answer Key

Testname: AHAC8_7A

1) C

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2) A

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3) B

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4) B

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5) D

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6) D

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7) B

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8) A

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9) C

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10) B

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