

Automotive Heating and Air Conditioning, 9th Edition

Quiz 8A

NAME _____

1. All these are functions of coolant EXCEPT _____.
A) corrosion inhibitor
B) rust inhibitor
C) cooling system lubricant
D) increases air flow across the radiator
1. _____

2. As the percentage of antifreeze in the coolant increases, _____.
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
2. _____

3. 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?
A) Technician A only
B) Technician B only
C) Both technicians A and B
D) Neither technician A nor B
3. _____

4. DEX-COOL is what type of coolant?
A) IAT
B) OAT
C) HOAT
D) PHOAT
4. _____

5. Adding a chemical to make ethylene glycol bitter to the taste is called _____.
A) passivation
B) embittered
C) refractometer
D) electrolysis
5. _____

6. A normal reading when testing coolant for galvanic activity is _____.
A) less than 200 mV
B) at least .5 V
C) more than .5 V
D) 5 V or more
6. _____

7. Testing for galvanic activity is done with the coolant _____ and the engine _____.
A) cool; not running
B) warm; running
C) cool; running
D) warm; engine not running
7. _____

8. A chemical barrier is formed by the coolant that can be enhanced by changing to a different type of coolant. 8. _____
A) True
B) False
9. Reusing old coolant is generally not approved by vehicle manufacturers, with the exception of _____. 9. _____
A) General Motors
B) Ford
C) Chrysler
D) Mercedes
10. 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? 10. _____
A) Technician A only
B) Technician B only
C) Both technicians A and B
D) Neither technician A nor B

Answer Key

Testname: AHAC9_8A

1. D
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2. A
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3. B
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4. B
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5. B
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6. A
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7. A
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