

Automotive Engines 10th

Quiz 12B

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

1. A normal reading when testing for electrolysis in the coolant is _____. 1. _____
 - A) less than 300 mV
 - B) at least .5 V
 - C) more than .5 V
 - D) 5 V or more

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

3. The pH of coolant is tested using a _____. 3. _____
 - A) test strip
 - B) hydrometer
 - C) refractometer
 - D) voltmeter

4. Testing for galvanic activity is done with the coolant _____ and the engine _____. 4. _____
 - A) cool; not running
 - B) warm; running
 - C) cool; running
 - D) warm; engine not running

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

7. DEX-COOL coolant is composed mostly of which of these chemicals? 7. _____
 - A) Methanol
 - B) Alcohol
 - C) Propylene glycol
 - D) Ethylene glycol

8. PHOAT coolant is what color? 8. _____
- A) Red
 - B) Orange
 - C) Dark Green
 - D) Blue
9. 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? 9. _____
- A) Technician A only
 - B) Technician B only
 - C) Both technicians A and B
 - D) Neither technician A nor B
10. Adding a chemical to make ethylene glycol bitter to the taste is called _____. 10. _____
- A) passivation
 - B) embittered
 - C) refractometer
 - D) electrolysis

Answer Key

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1. A
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2. B
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3. A
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4. A
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5. D
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6. A
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7. D
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8. C
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9. B
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