

Name: \_\_\_\_\_

Date: \_\_\_\_\_

1. Which of the following terms is associated with preventing metal corrosion?

- A. Electrolysis
- B. Passivation
- C. Refractometer
- D. Embittered coolant

2. What is the typical mixture of antifreeze to water for engine coolant?

- A. 25% antifreeze, 75% water
- B. 50% antifreeze, 50% water
- C. 75% antifreeze, 25% water
- D. 100% antifreeze

3. Which of the following is NOT a type of coolant technology?

- A. DEX-COOL
- B. HOAT
- C. OAT
- D. DEX-WATER

4. What is the primary role of coolant in an engine?

- A. Lubrication
- B. Ignition
- C. Heat transfer
- D. Fuel mixing

5. Which of the following tools is used to measure the concentration of antifreeze in a coolant mixture?

- A. Voltmeter
- B. Refractometer
- C. Thermometer
- D. Barometer

6. Which term refers to the activity that results from dissimilar metals coming into contact in a coolant system?

- A. Electrolysis
- B. Passivation
- C. Galvanic activity
- D. Refraction

7. What does the term "Embittered coolant" refer to?

- A. Coolant that has a bitter taste
- B. Coolant that is no longer effective
- C. Coolant that is mixed with impurities
- D. Coolant that has changed its color

8. Which of the following is NOT a reason to replace coolant?

- A. It has become discolored
- B. It no longer cools the engine effectively
- C. It smells sweet
- D. It has been contaminated with debris

9. Which term refers to the use of organic acids as corrosion inhibitors in coolant?

- A. HOAT
- B. IAT
- C. OAT
- D. PHOAT

10. Which technology combines both organic acids and inorganic additives in coolant?

- A. DEX-COOL
- B. HOAT
- C. OAT
- D. IAT

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Chapter 17

Multiple Choice Quiz B

Answer Key

1. B

2. B

3. D

4. C

5. B

6. C

7. A

8. C

9. C

10. B