

Name: _____

Date: _____

1. Which of the following is NOT a purpose of coolant?
 - A. Transfers heat from the engine to the radiator
 - B. Increases engine combustion efficiency
 - C. Prevents freezing in cold climates
 - D. Protects the engine and the cooling system from rust and corrosion

2. Why is coolant used in the cooling system?
 - A. Only to prevent freezing in cold climates
 - B. To protect the engine from external pollutants
 - C. To lubricate engine parts
 - D. To transfer heat from the engine to the radiator

3. Which function does coolant serve in the cooling system?
 - A. Protecting the engine and the cooling system from rust and corrosion
 - B. Enhancing engine sounds
 - C. Increasing fuel efficiency directly
 - D. Improving the aerodynamics of the vehicle

4. In cold climates, what role does the coolant play?
 - A. Boosting engine performance
 - B. Reducing engine noise
 - C. Preventing freezing
 - D. Increasing fuel consumption

5. What is antifreeze primarily made of?
 - A. Water
 - B. Oil
 - C. Alcohol
 - D. Glycol-based liquid

6. When antifreeze is mixed with water, it is referred to as:
 - A. Solution
 - B. Mixture
 - C. Coolant
 - D. Solvent

7. Which of the following is NOT a purpose of coolant?
 - A. Increases fuel efficiency
 - B. Transfers heat from the engine to the radiator
 - C. Protects the engine from rust and corrosion
 - D. Prevents freezing in cold climates

8. Water boils at approximately:

- A. 100°C at sea level
- B. 0°C at sea level
- C. 50°C at sea level
- D. 150°C at sea level

9. Water freezes at approximately:

- A. 100°C
- B. 0°C
- C. 50°C
- D. -50°C

10. What happens when water freezes?

- A. It decreases in volume
- B. It remains the same in volume
- C. It increases in volume
- D. It turns into vapor

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Chapter 17

Multiple Choice Quiz A

Answer Key

1. B

2. D

3. A

4. C

5. D

6. C

7. A

8. A

9. B

10. C