

Name: _____ Date: _____

1. Which of the following is NOT a reason for using gaskets and sealants in engines?
 - A. To facilitate easier disassembly of engine parts.
 - B. To withstand the temperatures an engine part may be exposed to during operation.
 - C. To seal gaps between engine parts.
 - D. To improve fuel efficiency directly.

2. Where does the head gasket face the highest clamping loads?
 - A. Between the oil pan and the engine block.
 - B. Between the engine block and the cylinder head.
 - C. Between the intake manifold and the engine block.
 - D. Between the exhaust manifold and the engine block.

3. Which type of gasket material is often used due to its flexibility and ability to withstand high temperatures?
 - A. Metal
 - B. Plastic
 - C. Rubber-coated metal (RCM)
 - D. Glass

4. Which of the following is NOT a property that gaskets and sealants typically need to have?
 - A. Heat resistance
 - B. Water solubility
 - C. Chemical resistance
 - D. Resistance to vibrations

5. Why might the head gasket need to seal a passage that carries hot engine oil?
 - A. To prevent oil leaks into the combustion chamber.
 - B. To maintain consistent oil pressure.
 - C. To ensure proper lubrication of the engine parts.
 - D. To improve engine cooling.

6. What is the primary function of the head gasket in relation to the combustion chamber?
 - A. To facilitate airflow.
 - B. To seal and prevent leakage.
 - C. To improve combustion efficiency.
 - D. To reduce engine noise.

7. Which gasket type is designed to be flexible and can be molded directly onto the parts being sealed?
 - A. Armor gasket
 - B. Fire ring
 - C. Formed in place gaskets (FIPG)
 - D. Multilayered steel (MLS) gasket

8. What is the purpose of a gasket's "fire ring"?

- A. To seal the combustion chamber.
- B. To provide a spark for combustion.
- C. To improve heat dissipation.
- D. To prevent oil leaks.

9. Which type of gasket material is known for its excellent sealing capabilities due to its multiple layers of metal?

- A. Armor gasket
- B. No-retorque-type gasket
- C. Rubber-coated metal (RCM) gasket
- D. Multilayered steel (MLS) gasket

10. Which type of sealant cures in the absence of air?

- A. Room-temperature vulcanization (RTV)
- B. Formed in place gaskets (FIPG)
- C. Anaerobic sealer
- D. Fire ring

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Chapter 33

Multiple Choice Quiz B

Answer Key

1. D

2. B

3. C

4. B

5. A

6. B

7. C

8. A

9. D

10. C