

Name: _____

Date: _____

1. What is the primary purpose of an engine?

- A. To combust fuel rapidly
- B. To cool the vehicle
- C. To convert the heat energy of burning fuel into mechanical energy
- D. To filter air for the vehicle

2. Where does the combustion occur in an internal combustion engine?

- A. Outside the power chamber
- B. Within the power chamber
- C. In the fuel tank
- D. Inside the exhaust pipe

3. Which is NOT a purpose of the mechanical energy produced by a typical vehicle engine?

- A. Propel the vehicle
- B. Power the stereo system
- C. Produce electrical power for use throughout the vehicle
- D. Power the air-conditioning system and power steering

4. What is the combustion chamber responsible for?

- A. Holding fuel before it's burned
- B. Releasing heat energy after combustion
- C. Filtering exhaust gases
- D. Cooling the engine

5. The upward and downward motion of the pistons is converted into rotary motion by which component?

- A. Connecting rods
- B. Cylinder heads
- C. Crankshaft
- D. Exhaust manifold

6. If an engine is mounted both longitudinally and transversely, which of the following is true?

- A. The engine component parts are interchangeable.
- B. There's no distinction in the engine component parts.
- C. The engine blocks and crankshafts may differ.
- D. Water pumps are always the same.

7. What designates the type of engine where the camshaft is located in the block and the valves are operated by lifters, pushrods, and rocker arms?

- A. Single Overhead Camshaft (SOHC)
- B. Double Overhead Camshaft (DOHC)
- C. Rocker arm engine
- D. Overhead Valve (OHV)

8. A V-type engine with an SOHC design utilizes how many camshafts for each bank or row of cylinders?

- A. One
- B. Two
- C. Three
- D. Four

9. Engines designed to operate on methanol would be referred to as running on:

- A. E85
- B. M85
- C. Natural Gas
- D. Diesel fuel

10. Which type of engine cannot meet exhaust emission standards?

- A. Liquid-cooled engine
- B. Air-cooled engine
- C. Diesel engine
- D. SOHC engine

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Chapter 15

Multiple Choice Quiz A

Answer Key

1. C

2. B

3. B

4. B

5. C

6. C

7. D

8. A

9. B

10. B