



## **Engine Fundamentals**

# Engine Fundamentals

**Goal:**

To expose students to engine parts and the engine cycle.

**Objectives:**

1. to learn the four parts of the engine cycle
2. to learn the functions of each part of the engine

# Engine Fundamentals

## Quiz

### Fill in the Blank

1. An automobile's engine is termed an \_\_\_\_\_.
2. The \_\_\_\_\_ is the framework of an engine.
3. The oil pan bolts to the \_\_\_\_\_ of the block.
4. The \_\_\_\_\_ converts the pressure of burning fuel into movement.
5. During operation the piston slides up and down about \_\_\_\_\_ times per minute.
6. Without \_\_\_\_\_ the engine would produce blue smoke.
7. The crank shaft mounts in the \_\_\_\_\_ of the block.
8. The \_\_\_\_\_ allows the crank shaft to spin freely.
9. The most important part of the cylinder head is the \_\_\_\_\_.
10. The 2 types of valves used in the engine are the \_\_\_\_\_ and \_\_\_\_\_.

# Engine Fundamentals

## *Answer Key*

### Fill in the Blank

1. An automobile's engine is termed an internal combustion engine.
2. The engine block is the framework of an engine.
3. The oil pan bolts to the bottom of the block.
4. The piston converts the pressure of burning fuel into movement.
5. During operation the piston slides up and down about 55 times per minute.
6. Without oil rings the engine would produce blue smoke.
7. The crank shaft mounts in the lower area of the block.
8. The main journal allows the crank shaft to spin freely.
9. The most important part of the cylinder head is the valve.
10. The 2 types of valves used in the engine are the intake and exhaust.