Name **/50 POINTS**
Block

The Engine
Unit Quiz Part 1

This written quiz makes up **part 1** of *The Engine* unit. The practical lab activity makes up **part 2**. The written quiz must be completed before advancing to the practical activity. See Mr. Kang before proceeding to **part 2**. Using the information from the blog, answer the questions below.

1. What is the difference between an Internal Combustion Engine and an External Combustion Engine? (1)

2. If combustion is what's happening, what is the difference between a 4 Stroke engine and a 2 Stroke engine? (1)

3. Using your own words, describe what is happening to the following during the INTAKE stroke: (4)
    a. Piston

    b. Intake valve

c. Exhaust valve

d. Air

4. Using your own words, describe what is happening to the following during the COMPRESSION stroke: (4)
    a. Piston

    b. Intake valve

    c. Exhaust valve

    d. Air

5. Using your own words, describe what is happening to the following during the POWER stroke: (4)
    a. Piston

    b. Intake valve

c. Exhaust valve

d. Air

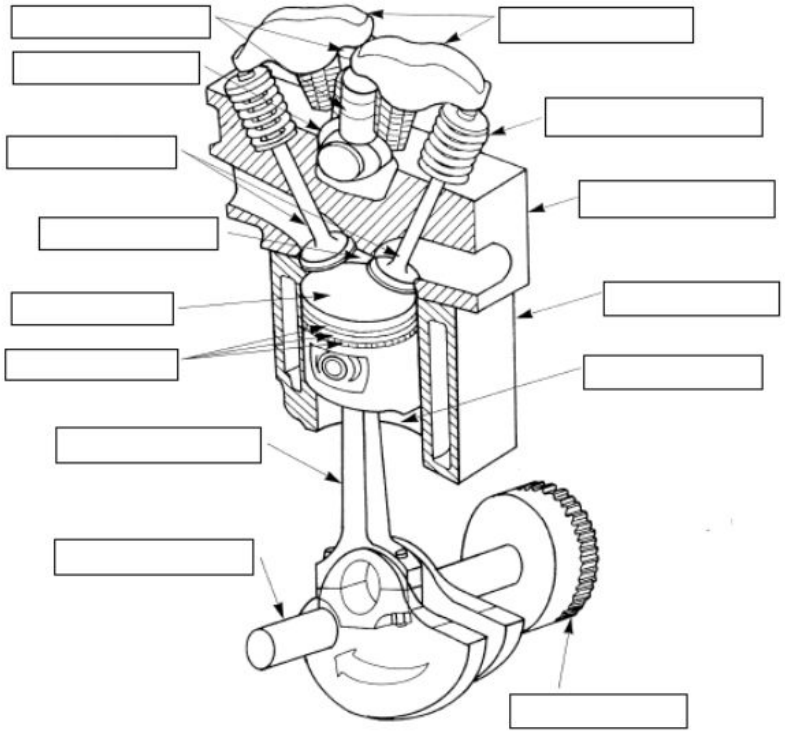
6. Using your own words, describe what is happening to the following during the EXHAUST stroke: (4)
    a. Piston

    b. Intake valve

    c. Exhaust valve

    d. Air

7. Identify the engine parts below: (14)



8. DESCRIBE the purpose of the following components: (12)
    a. Cylinder block

    b. Cylinder head

    c. Crankshaft

    d. Flywheel

    e. Connecting rod

    f. Piston

g. Piston rings

h. Valves

i. Camshaft

j. Lifters

k. Rocker arms

l. Valve springs

9. What are four things that can help the engine last as long as possible? (4)
    a.

    b.

    c.

    d.
10. Name at least two other types of internal combustion engines other than the most common 4 stroke engine: (2)
    a.

    b.