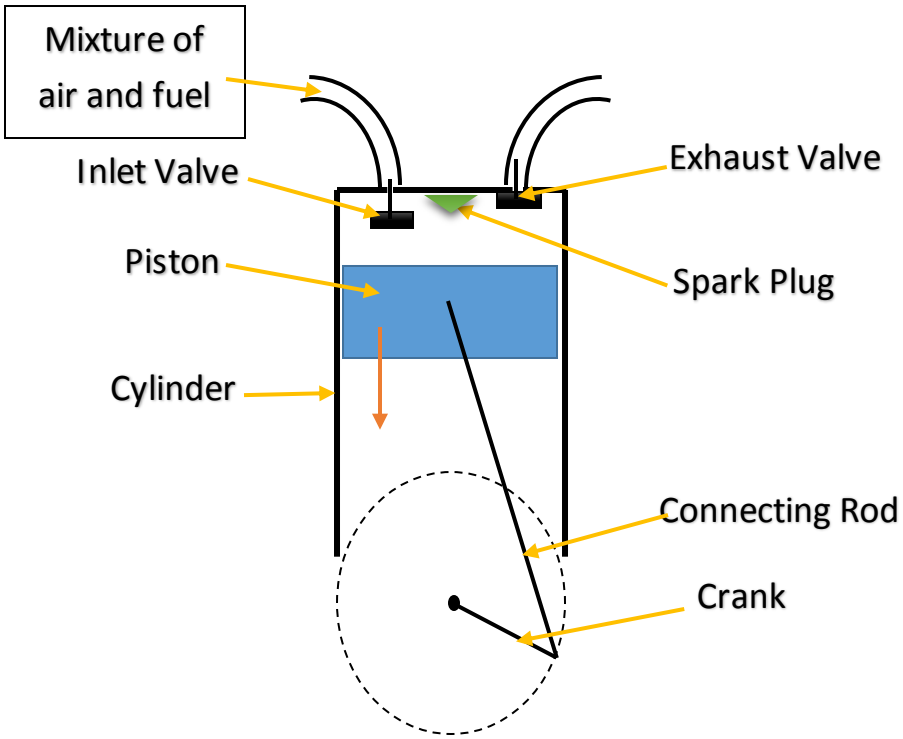
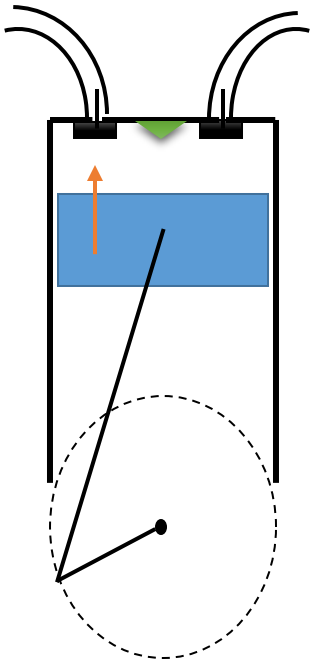
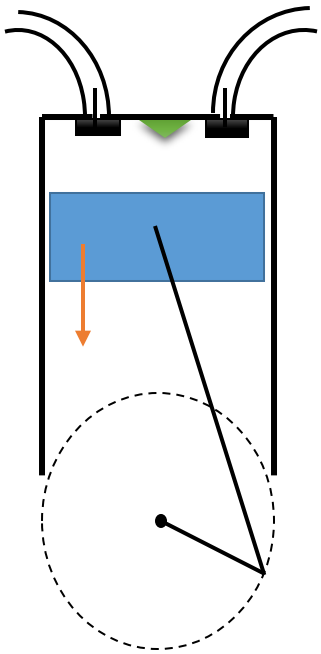
Working of four stroke petrol engine



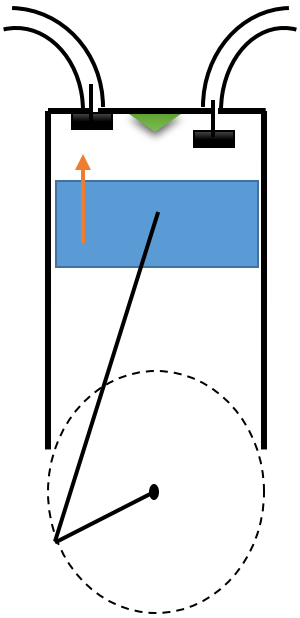
(1) Suction Stroke



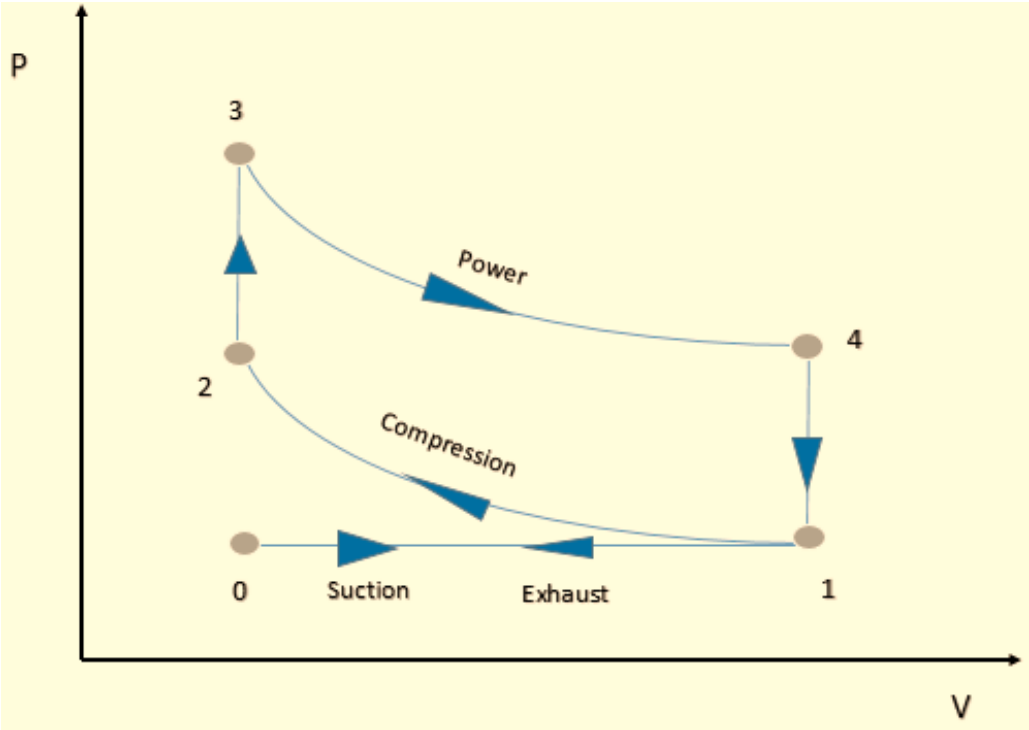
(1) Compression Stroke



(3) Power Stroke



(4) Exhaust Stroke



(1) Suction Stroke:

In this stroke Inlet valve is open, and Exit valve closed. The piston moves from T.D.C. to B.D.C. The mixture of air and fuel (petrol) comes inside the engine.

(2) Compression Stroke:

In this stroke Inlet valve and Exit valve both are closed. The piston moves from B.D.C. to T.D.C. So, the mixture of air and fuel (petrol) will be compressed.

(3) Power Stroke:

In this stroke, there will be a spark in the spark plug. So, the compressed mixture of air and fuel will be ignited. This produces energy/power. That's why this stroke is called power stroke. Here, Inlet valve and Exit valve both are closed. The piston moves from T.D.C. to B.D.C.

(4) Exhaust Stroke:

In this stroke Inlet valve is closed, and Exit valve open. The piston moves from B.D.C. to T.D.C. So, the smoke will go outside the engine through exhaust valve.