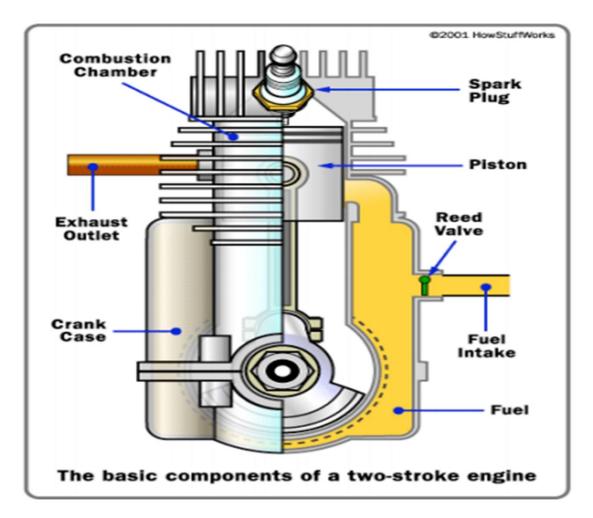
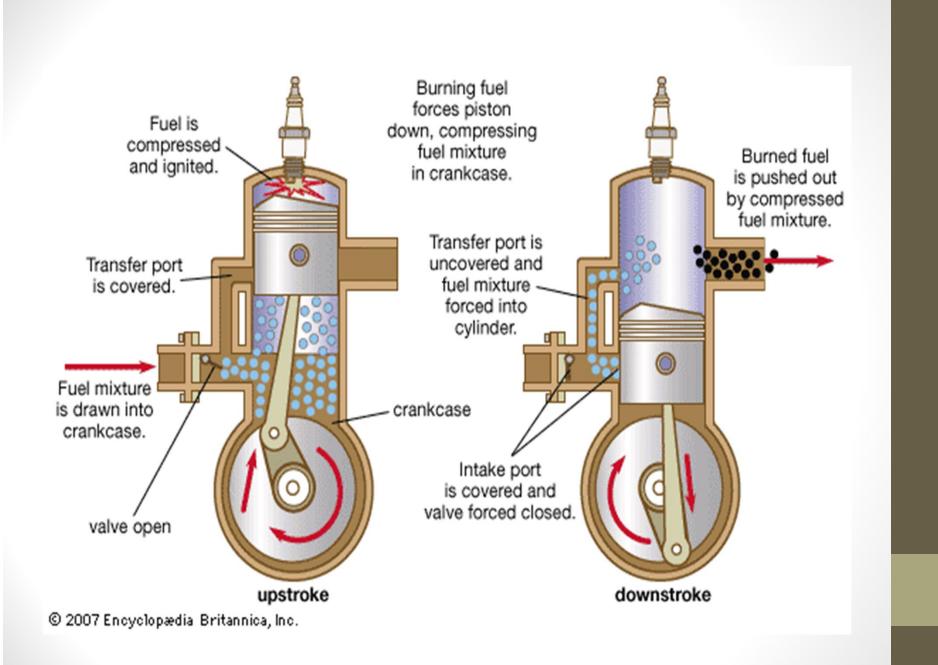


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## 2 Stroke Engine



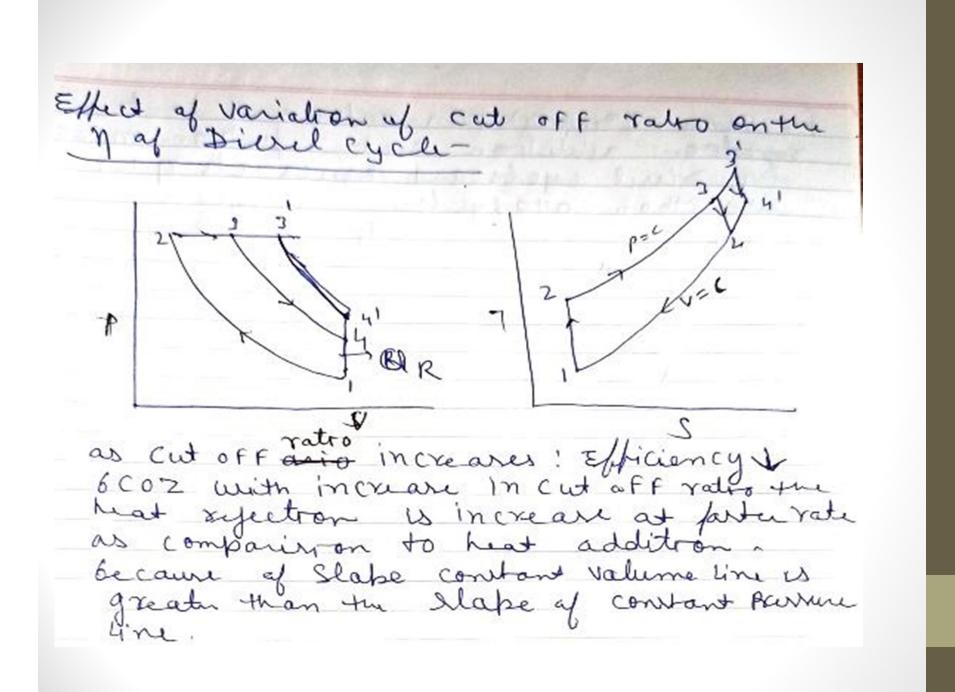


## **Basic Concept of 2-S engine**

- Intake- Fuel mixture is drawn into *crankcase* during upstroke
- **Compression-** mixture is compressed in the **crankcase** during down stroke and again during upstroke before combustion
- **Combustion**-fuel is recompressed and ignited in cylinder during upstroke
- **Exhaust** burned mixture is forced out by **fresh mixture** being forced in during down stroke

Piston fires once every revolution. No traditional valves like a fourstroke. Piston serves as a "valve" by covering the ports.

- Two-stroke engines do not have valves, which simplifies their construction and lowers their weight.
- Two-stroke engines fire once every revolution, while fourstroke engines fire once every other revolution. This gives two-stroke engines a significant power boost.



Comparison of otto cycle and sierel cycle. care >1 Same & comprision ratio and heat 10= EXtry 43010 head rejection 1-2-3'4' - Divel DieSelcycle

to same composition rates and heat system addition heat repetron more in Divid cycle and hence its n is us than otto cycle n=1- dr Extra heato cycle 3 Compaction and heat rejection Cas-2 1-2-3-4 otto 1-2'-2'-4" Diesel 10 For Same compression rates and heat registron heat and hence its pis more in otto cycle