

ROCKET

A rocket is a vehicle that uses any type of jet-propulsion device carrying either solid or liquid propellants that provide both the fuel and oxidizer required for combustion to accelerate without using the surrounding air.



PARTS OF A ROCKET

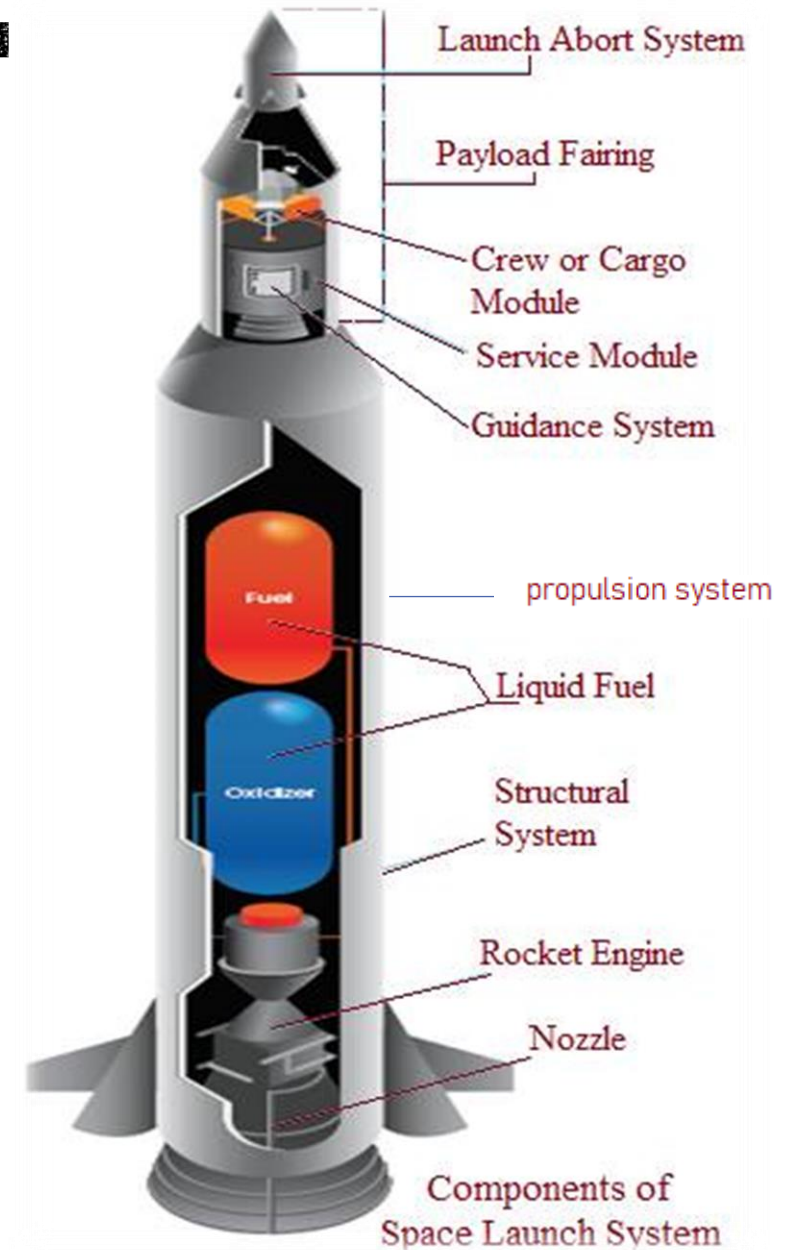
Four Main Parts Of A Rocket

Structure

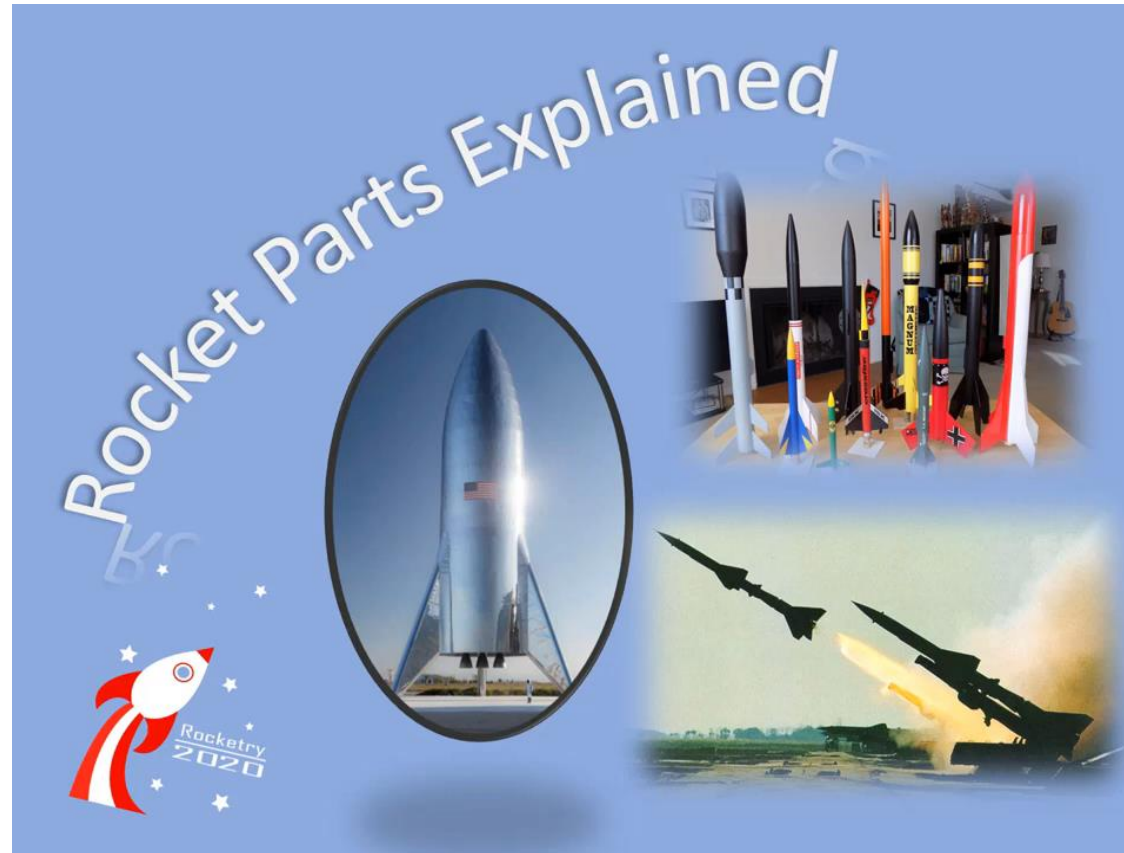
Payload

Guidance

Propulsion



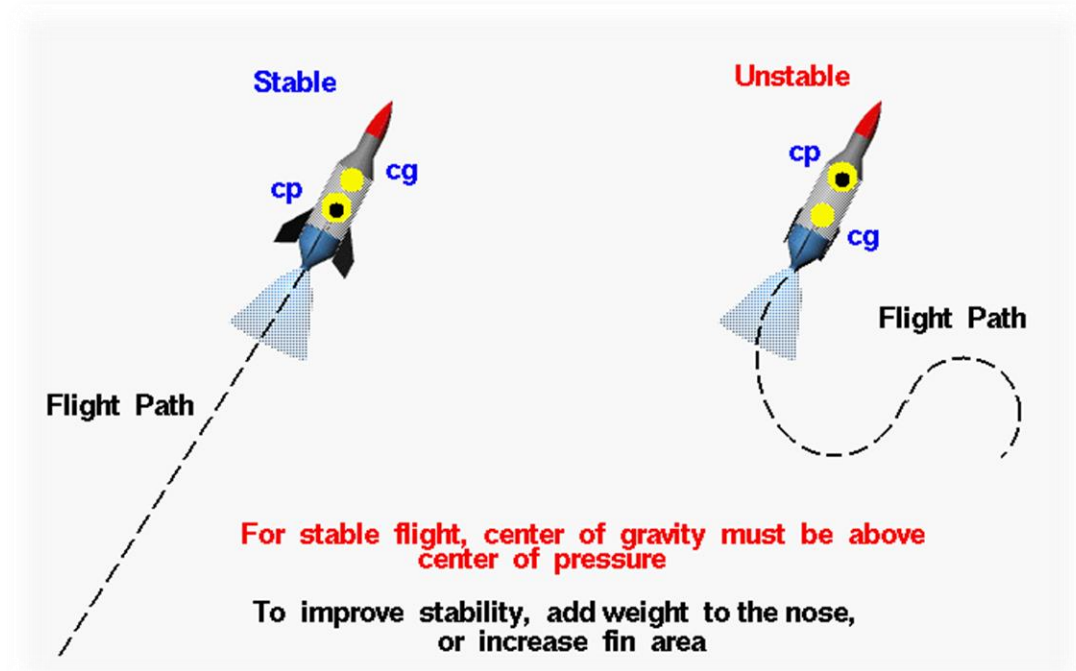
ROCKET PARTS EXPLAINED



STABILITY OF A ROCKET

Two centers determine the stability of a rocket; center of mass and center of pressure.

Center of mass must be located towards the nose and center of pressure towards the tail.

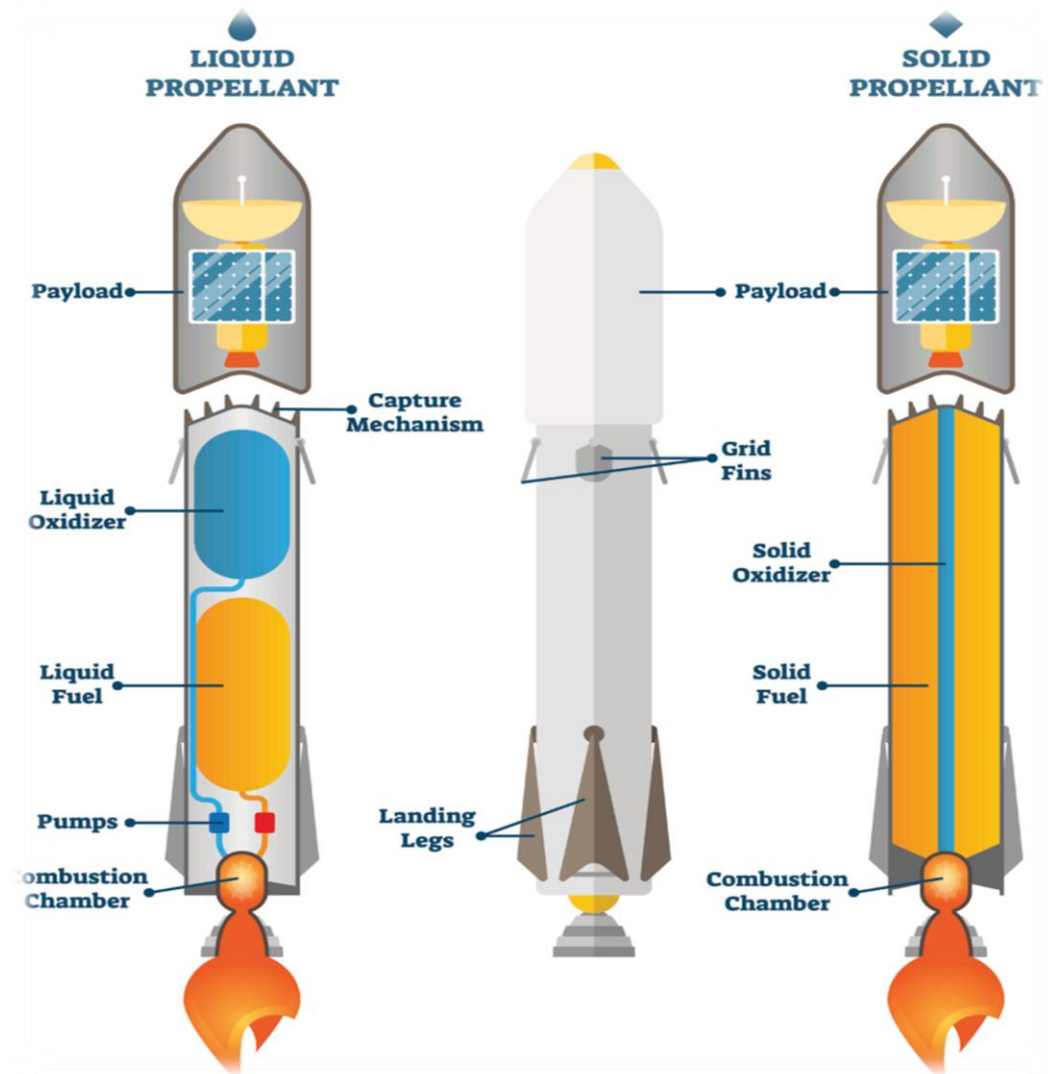


ROCKET PROPELLANTS

There are two types of rocket propellants; Solid and Liquid propellants.

In Solid propellant, both fuel and oxidizer are combined.

In Liquid propellant, fuel and oxidizers are kept in separate containers.



THANK YOU!

