

# 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

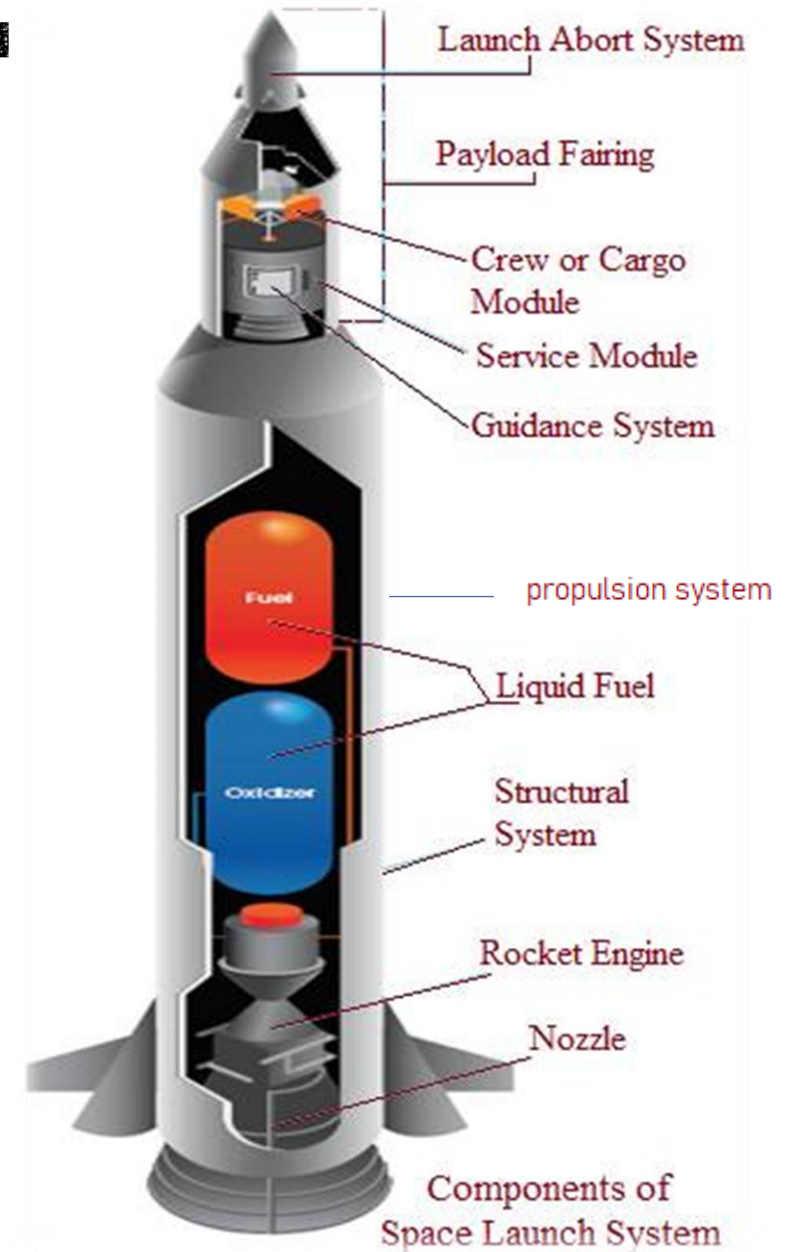
## Four Main Parts Of A Rocket

Structure

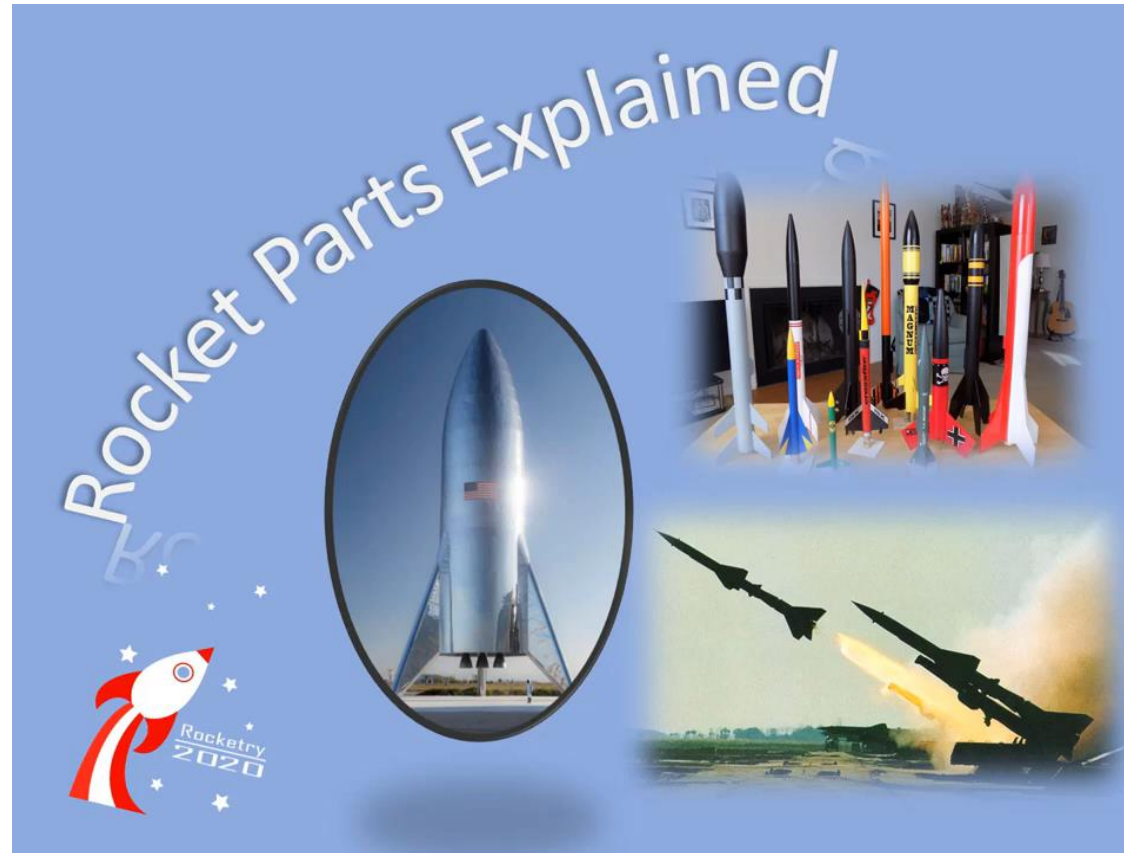
Payload

Guidance

Propulsion



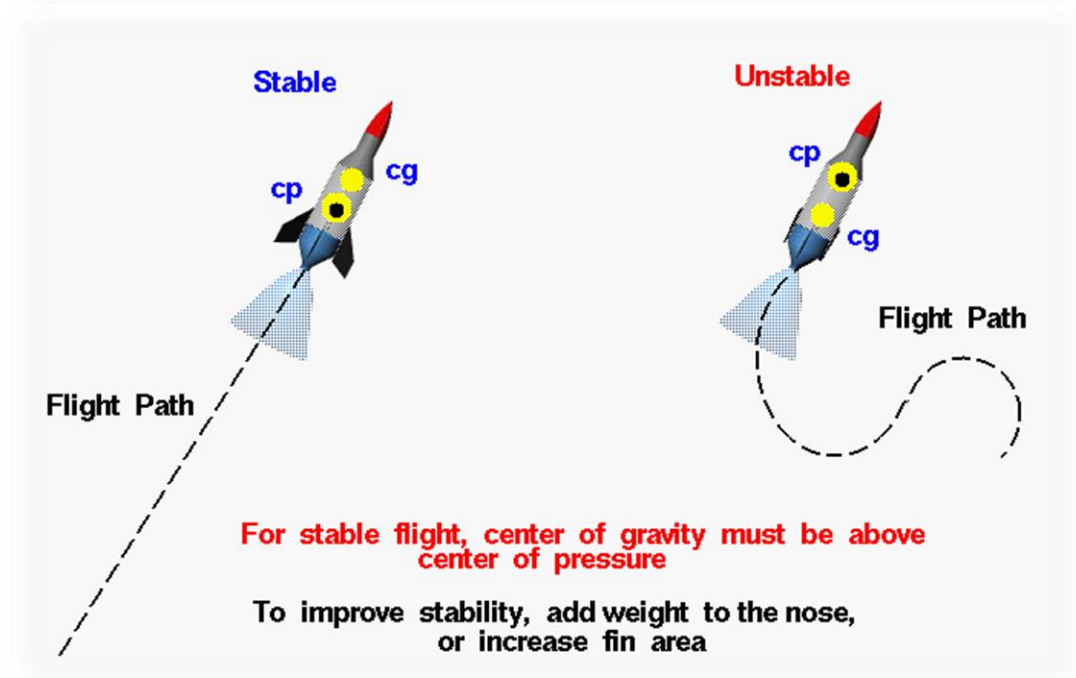
# ROCKET PARTS EXPLAINED



# 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.

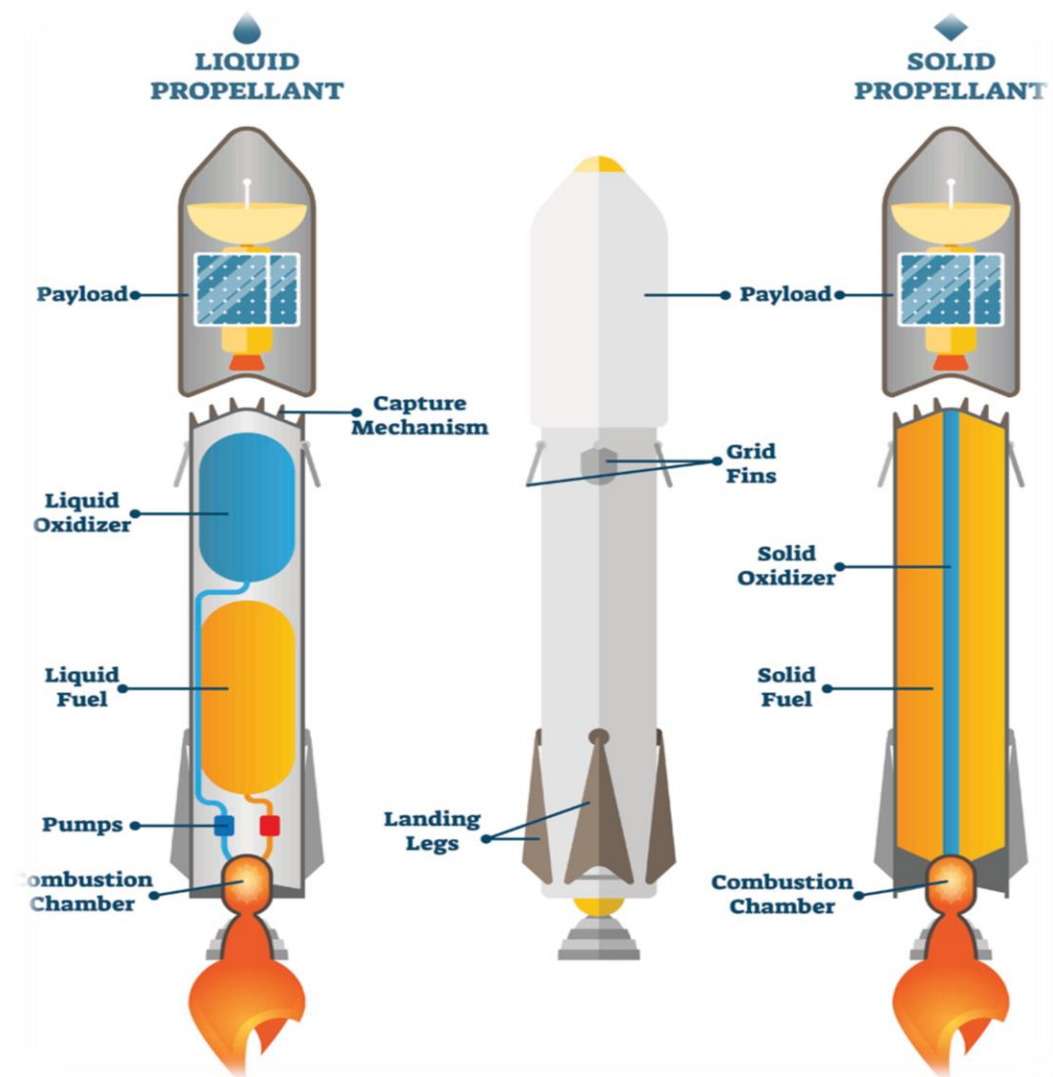


# ROCKET PROPELLANTS

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!**

