



FORCE AND IT'S TYPES WITH EXAMPLES

FORCE:

EFFORT HELP TO CHANGE THE POSITION OR SHAPE OF OBJECT.

Examples:

- **Lifting**
- **Stretching**
- **Squeezing**
- **Digging**
- **Attracting**



PUSH OR PULL FORCE

- Digging bore well - both push and pull
- Sipping juice – pull
- Erasing blackboard – both push and pull
- Magnet attraction – pull
- Fruits falling – gravitational pull
- Hoisting a flag – both push and pull.

PICTURE



Types of force :

- Contact force
- Force at a distance (field force)

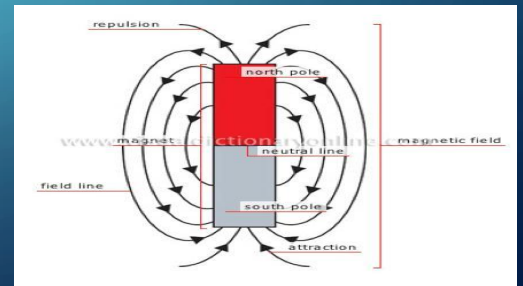


CONTACT FORCE:

Force that happens when it contact with other object is called contact force.

FORCE AT A DISTANCE:

Force that happened without any physical contact is called field force.

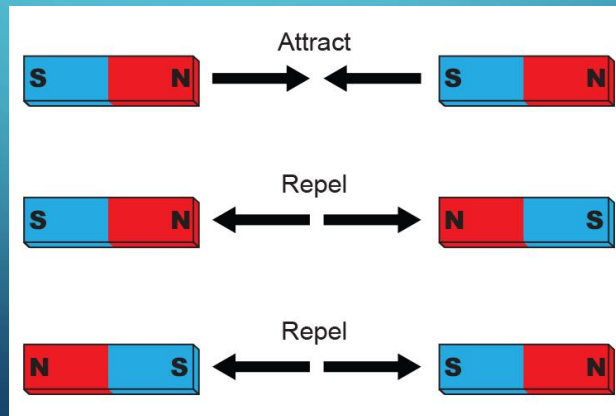


TYPES OF FIELD FORCE:

1. Magnetic force.
2. Electrostatic force.
3. Gravitational force.

MAGNETIC FORCE:

- Like pole repel each other and unlike poles attract each other.
 - Like pole : north and South, south and north.
 - Unlike pole:south & south,north&south



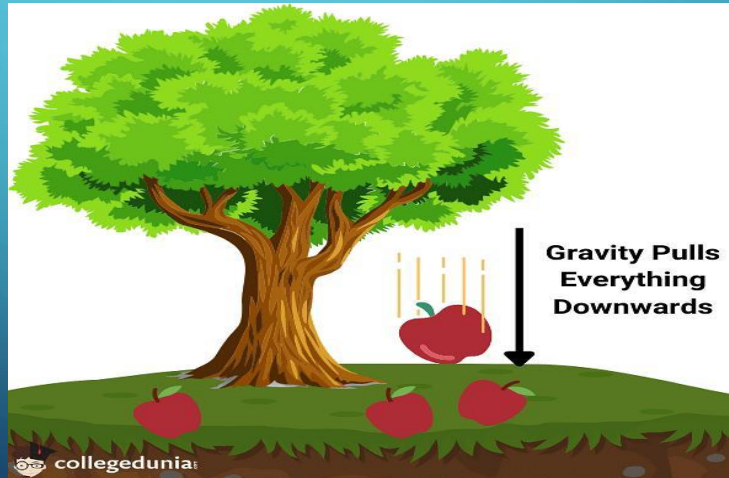
ELECTROSTATIC FORCE:

When force exerted by charged body on another charged body is electrostatic force.



GRAVITATIONAL FORCE:

If object thrown upwards there exists a force which pulls it down towards the earth it is called gravitational force.



The image features a blue gradient background with decorative white circuit-like lines in the corners. The lines consist of straight segments and small circles, resembling a network or data flow diagram. The text "Thank you" is centered in a bold, black, sans-serif font.

Thank you