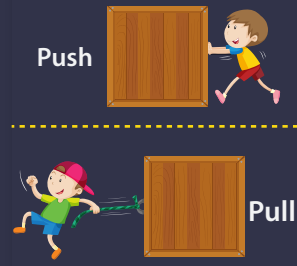


Force and Pressure

Muscular
Due to action of muscles

Friction
Act on all moving objects and opposite direction of motion



- Change in the state of motion of an object
- Change in the shape of an object

It can do

Contact

Non-contact

Types of force

Force

Either a push or a pull

It has direction as well as magnitude

Magnetic
Force that attracts certain metal objects towards a magnet

Electrostatic
Force exerted by a charged body on another charged or uncharged body

Gravitational
Objects fall towards earth due to its pull

Net force
 $F = F_1 + F_2$



Net force
 $F = F_1 - F_2$



Rubber Sucker



Atmospheric Pressure

Pressure exerted by atmospheric air

Pressure

Force acting per unit area

It exerted by liquids and gases

Greater the height of water column, greater is the pressure exerted

Pressure Of Atmosphere On head

Pressure exerted by atmospheric air

