

FORCE AND PRESSURE

Force:

Force is the 'push' or 'pull', which arises due to interaction between objects.

- A force can change (or) tends to change the present state of rest or motion or shape of an object.

Units:

SI unit = Newton (N)

CGS unit = dyne

- A force can change the state of an object from rest to motion (or) motion to rest.

Ex.

- While throwing a ball, a force is to be applied to change its from rest to motion.
- While catching a moving ball, a force is to be applied to change its state of motion to rest.
- When a person is pushing the wall, the wall does not move but tends to move. Here also a force is said to be acting on the wall.



(a)

(b)

(c)