

\* HOMEWORK QUESTIONS :

1. What are the effects of force?

The effects of force are:

- 1) Force can move a body originally at rest.
- 2) Force can stop a moving body.
- 3) Force can make a moving body move faster.
- 4) Force can slow down a moving body.
- 5) Force can change the direction of a moving body.
- 6) Force can change the shape and size of a moving body.

2. Differentiate contact force and non contact force.

CONTACT FORCE	NON CONTACT FORCE
The force which acts on bodies by making an actual contact	Force which acts on bodies by not making any actual contact
EX: (a) muscular force, (b) frictional force, (c) force of tension	EX: (a) gravitational force, (b) electrostatic force, (c) magnetic force



3. What do you mean by normal force?

Force is a push or pull which tends to result in the movement of a body. Some examples are:

i) Pushing table

ii) Throwing a ball

iii) Cycling

4. Differentiate mass and weight.

MASS	WEIGHT
1. Mass is a how much matter an object contains.	1. Weight is the force exerted on a mass by gravity
2. Mass <del>contain</del> is constant for a body and does not change with location.	2. Weight is not a constant. It changes from place to place.
3. The unit of mass is kilogram	3. The unit of weight is newton.

5. Define rolling friction with one example.

When an object rolls over a surface, the force which opposes the rolling motion of the object is called rolling friction. Ex: ball bearings are used in the cycles and ceiling fans. ~~The~~ wheels are provided to the vehicals.