

① what are the effect of force ?

The effect of force are -

- i. A force can move a body originally at rest.
- ii. A force can stop a moving object.
- iii. A force can make a moving body to move faster.
- iv. A force can slow down a moving body.
- v. A force can change the ~~dir~~ direction of a body.
- vi. It can change the shape and size of a body.

② Differentiate contact and non-contact force.

The force which acts on bodies by making an actual contact, is called contact force but forces which act on bodies with no contact with them are called non contact force.

③ what do you mean by normal force ?

The normal force is the force that surfaces exert to prevent solid objects from passing through each other.

④ Define rolling friction with one Example.

Rolling friction is defined as the force which resists the motion of a ball or

wheel and is the weakest types of friction.

For ex - ball bearings used between the hubs and axle of a bicycle.

5) Differentiate between Mass and weight

Mass is the ~~amount~~ amount of matter present in the body but the force with which the earth attracts the object is called the weight of a body.