

① What are effects of force?

→ The effects of force are:

- * Force can move a body.
- * It can stop any moving body.
- * It can make a body to move faster.
- * Force can change the direction of a moving body.
- * It can change shape or size of a ~~the~~ body.

② Differentiate contact and non-contact force.

① Contact force - The force which acts on bodies by making an actual contact, is called contact force.

② Ex muscular force.

③ Non-contact force - forces which act on bodies with no contact with them are called non-contact forces.

④ Ex magnetic force

③ What do you mean by normal force?

① The normal force is the force that surfaces exert to prevent solid objects from passing through each other. It is a contact force.

④ Differentiate mass and weight.

① Mass is the amount of matter in an object, while weight is the force of gravity by which the earth attracts towards it. Mass is the scalar

quantity and weight is a vector quantity. The unit of mass is kg while the unit of weight is N.

5) Define rolling friction with one example.

Ans The force which opposes the rolling motion of the object is called the rolling friction. When an object rolls over a surface, for example: ball bearings are used between the wheels and axles of a ceiling fan and a bicycle. Vehicles like cars, trucks, scooters, bicycles, and luggage trolleys, etc. are provided with wheels.