

Q1. What are the effects of force?

Ans → Effects of force are:-

- (i) Force can move a body originally at rest.
- (ii) Force can stop a moving body.
- (iii) Force can make a moving body to move faster.
- (iv) Force can make a moving body to move slower.
- (v) A force can change the direction of motion of a body.
- (vi) A force can change the shape or size of a body.

Q2. Define contact and non-contact force.

Ans → The force which acts on bodies by making an actual contact, is called contact force.  
Ex - Muscular force, Friction force etc.

The forces which act on bodies with no contact with them are called non-contact forces or forces from distance.

Ex - Gravitational force, Magnetic force etc.

Q3. Define force of friction.

Ans → The force exerted by a surface on a body in contact with it, in a direction opposite to the direction in which the body is moved on the surface is called the force of friction.

Q4. What are the disadvantages of friction?

Ans → Disadvantages of friction are: -

- (i) Friction opposes the motion of a body, so it decreases the efficiency (i.e., more force is needed to move a body.
- (ii) Friction causes wear and tear in moving parts.
- (iii) Friction produces heat.