

1) Define force.

ans) Force is a push or pull which can change the state of rest or motion of the body or can change the size and shape of the body.

2) What are the effects of force?

ans) The effects of force are :-

- i) A force can move a body at rest.
- ii) Force can ~~stop~~<sup>make</sup> a moving body to move faster.
- iii) Force can stop a moving object/body.
- iv) Force can slow down a moving body.
- v) A force can change the direction of motion of a moving body.
- vi) A force can change the shape or size of a body.

3) Define contact force and non contact force.

ans) Contact force :- The force which acts on bodies by making an actual contact, is called contact force.  
Non contact forces :- Forces which act on bodies with no contact with them are called non-contact forces or forces from a distance.

8) Define force of friction.

ans) Friction is the force ~~of~~ that opposes the relative motion between the two surfaces in contact with each other.

12) What are the disadvantages of friction?

ans) The disadvantages of friction are: -

i) Friction opposes the motion of a body, it decreases the efficiency.

ii) Friction causes wear and tear in the moving parts.

iii) Friction produces heat.