

Physics
Worksheet



A1. When a force is applied on a body, it can have the following effects:-

- 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 slow down a moving body.
- v) Force can change the shape or size of a body.
- vi) Force can change the direction of motion of a moving body.

A2. Contact force - The force which acts on bodies by making an actual contact, is called contact force.

For ex:- The muscular force applied as push and pull.

Non-contact force - Forces which act on bodies with no contact with them are called non-contact force or forces from a distance.

For ex:- Magnetic force.

A3. The force which slows down the motion of a moving body in contact with the surface of another body, is called force of friction or frictional force.

A4. Disadvantage of friction are:-

- i) Friction produces heat.
- ii) Friction causes wear and tear in the moving parts.
- iii) Friction opposes the motion of a body, so it decreases the efficiency.