

## Homework

1) What are the effects of force?

Ans- The effects of force are -

\* Force can move a body originally at rest

\* Force can stop a moving body.

\* Force can increase the speed of a moving body.

\* Force can slow down a moving body.

\* Force can change the direction of motion of a moving body.

~~\* Force~~

2. Define contact and non-contact force.

Ans- The force that is exerted when two or more bodies are in contact, it is called a contact force. ~~Ex~~

\* Contact forces are muscular force, frictional force, tension force, reaction force etc. The force

that is exerted even when bodies are not in contact is called non-contact force. Non-contact forces are gravitational force, Magnetic force, electromagnetic force etc.

3. Define force of friction.

Ans- The force exerted by a surface on another surface in contact with it, which opposes the relative motion of the object is called force of friction.

4) What are the disadvantages of friction?

Ans- The disadvantages of friction -

- \* Friction opposes motion
- \* Friction produces heat
- \* Friction causes wear and tear