

Homework

1) What are the effects of force?

Ans) The effects of force are:-

→ A force can ~~make~~ a ^{move} ~~moving~~ body originally at rest.

→ A force can change the direction of a moving body.

→ A force can change the shape and size of an ~~moving~~ object.

→ A force can stop a moving object.

→ A force slow down a moving body.

→ A force can make a moving body faster.

2) Define Contact and Non-Contact force.

Contact force → The force which acts on bodies by making an actual contact is called as contact force. Ex - The muscular force applied on the body as push & pull.

Non-Contact force → The force which acts on bodies with no force on them are known as non-contact force.

Ex - Gravitational force, Magnetic force.

3) Define force of friction.

The force that slows down the motion of a moving body in contact with the surface of another body is called Frictional force or force of friction.

4) Disadvantage of friction.

The disadvantage of frictions are :-

- Friction opposes the motion of a body, it decreases the efficiency.
- Friction ~~also~~ causes wear and tear in the moving parts of the object.
- Friction produces heat.