

Force

1. What are the effects of force?

Ans- When a force is applied ~~to~~ on a body, it can have the following effects:

1. A force can move a body originally at rest.
 2. A force can stop a moving body.
 3. A force can make a moving body ^{to move} faster.
 4. A force can slow down a moving body.
 5. A force can change the direction of motion of a moving body.
 6. A force can change the shape or size of a body.
2. Define contact and non contact force.

Ans-1. Contact forces: The force which acts on bodies by making an actual contact, is called contact force.

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

3. Define force of friction

Ans - The force which slows down the motion of a moving body in contact with the surface

of another body, is called the frictional force or the force of friction.

4. What are the disadvantages of friction?

Ans - The disadvantages of friction are -

1. Friction opposes motion.
2. Friction always acts in a direction opposite to the direction of motion.
3. Friction produces heat.
4. Friction causes wear and tear.