

Homework

1. What are the Effects of force?

A. Effect of force are:

- Move a body originally at rest.
- Stop down a moving body.
- Make a moving body to move faster.
- Slow down a moving body.
- Change the shape or size of a body.

2. Differentiate between contact and non-contact force.

A. Contact force experienced by the body when they are in physical contact with each other whereas Non-Contact force is experienced by bodies even if they are not in physical contact with each other.

3. What do you mean by normal

A. The normal force is the force that surfaces exert to prevent solid objects from passing through each other.

4. Differentiate mass and weight.

A. There is a basic difference, because mass is the actual amount of material contained in a body and is measured in kg, gm etc. Whereas weight is the force exerted by the earth on the object mg . Note that mass is independent of everything but weight is different on the earth, moon, etc.

5. Define rolling friction with one example

A. When an object rolls over a surface, the force which opposes the rolling motion of the object is called the rolling friction. Example of rolling friction is a ball or a ~~wheel~~ wheel are some example of rolling friction.