

Answers

① What are the effects of force ?

Ans The effect of force are :

- * A force can stop a moving body.
- * A force can move a body originally at rest.
- * A force can slow down a moving body.
- * A force can change the direction of a moving body.
- * A force can change the shape and size of a body.
- * A force can make a moving body to move faster.

Differentiate
② ~~Between~~ contact and non-contact force.

Ans

Contact

Non - contact

*. The force which acts on bodies by making an actual contact, is called contact forces.

*. The force which act on bodies without non contact with them are called non-contact force.

* The most similar contact force is Muscular force applied as push and Pull.

* The most similar non-contact force is gravitation force which act as non contact.

③ what do you mean by normal forces?

Ans A normal force is defined as the force that any surface exert on any other object. If that object is at rest, then the net force acting on the object is equal to the upward force the normal force. It is the article, we will discuss the concept of Normal force and normal force formula with example. Let us learn the concepts.

Q) Differentiate mass and weight ?

Ans

Mass

weight

mass is the quantity of a matter of its volume or any force acting on it.

weight is a measurement of the gravitational force acting on an object.

mass is always constant at any time place and any time

The weight of an object depends on the gravity at the places.

mass is expressed in kilogram (kg), grams (g) and milligram (Mg)

weight is expressed in Newton (N)

mass is measured using beam balance or electronic balance.

weight is measured using a spring ~~balance~~ balance.

Scalar and base quantity.

vector and derived quantity.

②

The force resisting the motion of a rolling body on a surface is known as rolling friction or rolling resistance.

Rolling of ball or wheel on the ground.

EX - pushing a box across the table is an example of sliding friction.