

HW
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Physics

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Q) What are the effects of force?

Ans- Force acting on an object causes the object to change its shape & size; to start moving or stop?

Q) Differentiate Contact and non-contact force?

Ans- Contact force

Non-contact force

* The object that touches anything physically is known as contact force.

* The object that does not touch anything physically is called as non-contact force.

Ex- Pushing a door,

Ex- An apple falling from tree.

Q) Define Normal Force?

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

Q) Differentiate mass and weight?

Ans- Mass is the measure of the amount of matter in a body. Mass is denoted using ~~m~~ m or M.

Weight is the measure of the amount of force ~~using~~ acting on a mass due to gravity.

Q) Define rolling friction with one example?

Ans - When an object rolls over a surface, the force which opposes the rolling motion of the object is called the rolling friction. Ex - Ball bearings