

# Homework

What are the effects of force?

Ans: The effects of force:

- \* Force can move an object originally at rest.
- \* Force can stop a moving body.
- \* Force can change the direction of a moving body.
- \* Force can slow down a moving body.
- \* Force can increase the speed of a moving body.

Differentiate contact and non-contact force, What do you mean ~~by~~ by normal force? Differentiate mass and weight. Define rolling friction with one example.

Ans: Contact forces act when the bodies are making an actual contact with each other.

Non-contact forces act <sup>even</sup> when the bodies are not making an actual contact with each other.

~~Note~~ The force which a surface exerts on any other object in a perpendicular angle is called the normal force.

Mass is the amount of matter contained in an object while ~~gravity~~ <sup>weight</sup> is the force which depends on the acceleration of gravity.

Rolling friction is the minimum force ~~ex~~ exerted by a surface on another body to roll it over the surface.