

1) The effects of force are:

* The force can change the shape or size of a body.

* A force can stop a moving body.

* A force can make a body move which is originally at rest.

* A force can change the direction of a moving body.

* A force can make a moving body move faster.

* A force can slow down the speed of a moving object.

2) The force which acts on bodies by

making an actual contact is called contact force. Ex → Muscular force, frictional force, etc.

forces which acts on bodies with no contact is called non-contact force. Ex → gravitational force, Electromagnetic force, strong nuclear force, etc.

3) Mass is defined as the amount of matter in a material. Whereas, weight is defined as ~~how~~ a measure of how the force of gravity acts upon that mass

4) When an object ~~rolls~~ rolls over a surface, the force which opposes the rolling motion is called rolling friction.

For example → When a vehicle's tyre starts rolling, the vehicle moves. The force which opposes that motion is called rolling friction. 