

\* HOMEWORK QUESTIONS :

Q1. What are the effects of force?

The effects of force are:

1) Force can move a body originally at rest.

2) Force can stop a moving object.

3) Force can make a moving body move faster.

4) Force can slow down a moving body.

5) Force can change the direction of motion of a moving body.

6) Force can change the shape or size of a body.

Q2. Define contact force and non contact force.

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

Some examples of contact force are (a) muscular force, (b) frictional force, (c) force of tension.

Force which acts on bodies by making no

actual contact is known as non contact force.

Some examples of non contact force are

- (a) gravitational force, (b) electrostatic force and
- (c) magnetic force.

3. Define ~~friction~~ the force of friction.

The force which slows down the motion of a moving body in contact with ~~on~~ the surface of another body is known as force of friction.

There are 3 different types of friction

- (a) static friction
- (b) sliding friction
- (c) rolling friction

4. What are the disadvantages of friction?

The disadvantages of friction are:

- 1) Friction ~~is~~ produces heat
- 2) Friction opposes motion of a body, so it decreases ~~to~~ the efficiency.
- 3) Friction produces wear and tear in the moving parts.