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# PHYSICS

## Force

Q1) What are the effects of force?

The effects of force are:

- 1) A force can move a body originally at rest.
- 2) A force can stop a moving body.
- 3) A force can make a moving body to move faster.
- 4) A force can slow down a moving body.
- 5) A force can change the direction of motion of moving body.
- 6) A force can change the shape or size of a body.

Q2) Define contact and Non Contact force?

Ans Contact force is the force which acts on a body only when the body is in contact with the force.

Non-contact force is the force which acts on a body when the body is not in contact with another body.

Q3) Define force of friction.

Ans The force which slows down the motion of a moving body in contact with the surface of another body is called the frictional force or the force of friction.

Q4) what are the disadvantages of friction?

Ans The disadvantages of friction:

- 1) Friction opposes the motion of a body, so it decreases the efficiency (i.e.; more force is needed to move a body)
- 2) Friction produces heat.
- 3) Friction causes wear and tear in the moving parts.

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