

## **Types of Force**

There are two types of force. They are

1. Non-contact force
2. Contact force

1. **Non-contact force-** The force which does not require any direct or indirect physical contact with the object on which it is acting is known as non-contact force.
2. **Contact force-** The force which requires direct or indirect physical contact with the object on which it is acting is known as contact force.

**Non-contact force-** Examples of non-contact force are

- a. **Electrostatic force-** It is the force exerted by charged body on another charged or uncharged body.

**Electrostatic force can be attractive or repulsive in nature.** If two objects are oppositely charged then they attract each other and if the two objects are same charged then they repel each other.

- b. **Magnetic force-** It is the force exerted by a magnet on another magnet or magnetic material.

**Magnetic force can be attractive or repulsive in nature.**

- c. **Gravitational force-** It is the force with which each and every object in the universe attract each other.

**Gravitational force is always attractive in nature.**

**Gravity-** It is the force with which Earth attracts or pulls every object towards its centre.

