

② Give an example each of a force as:

1. a push
2. a pull
3. a stretch
4. a squeeze.

Ans -

1. To open a door, we push it
2. To move a grass roller on a lawn, it is pulled by a gardener
3. Stretching a rubber string.
4. ~~no~~ change in shape of a sponge on squeezing.

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39.08.21

Q. Explain the classification of force on the basis of its application.

Ans - The classification of forces on the basis of its application are -

→ Contact force:

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

→ Non-Contact forces,

The force which acts on bodies without contact with them are called non-contact force.

Q. What do you mean by contact forces? Give some examples.

Ans- The force which acts on bodies by making an actual contact are called contact force.

Ex-

- The muscular force applied as push and pull.
- The force of friction exerted by a surface on a body in contact with it, in a opposite direction of ~~the~~ to the body's direction of movement.
- The force of ~~the~~ tension in a string when a load is suspended from it.
- The force of reaction normal to the surface when a body is placed on surface.

Q. List the types of non-contact forces.

Ans- All the types of non-contact forces are -

→ Gravitational force

→ Magnetic force

→ Electrostatic force

Q. Explain electrostatic force.

Ans. Electrostatic force between two at a distance either repel or attract each other. Unlike charges attract while the like charges repel.

→ Magnetic force

→ Gravitational force

→ Electrostatic force