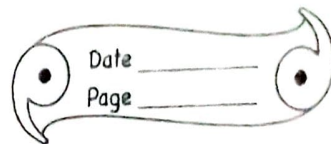


HW
4/8/21



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

ans) Depending upon the application of forces, they are classified in two categories:-

- 1) Contact forces and
- 2) Non-Contact forces.

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

ans) Contact forces: The force, which acts on bodies by making an actual contact, is called contact force.

Ex:- i) The muscular force applied as push and pull.

ii) The force of tension in a string when a load is suspended from it.

Q) List the types of non contact forces.

ans) The types of non contact forces are:-

- a) Gravitational force
- b) Electrostatic force and
- c) Magnetic force.

Q) Explain electrostatic force.

ans) Electrostatic force is the force between two charged bodies at a distance either repel or attract each other. Unlike charges attract while like charges repel.