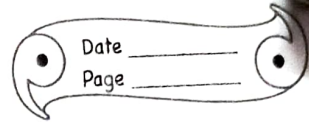


NAME: ~~THE~~ SUBHASHREE PANIKRATHI, CLASS - VI
SECTION - D, SCHOOL NO - 4658

SUB-PHYSICS ASSIGNED QUESTIONS
CHAP - 4

Answers



1) The classification of force on the basis of its application:

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

1. Contact forces, and
2. Non contact forces

1. Contact forces:-

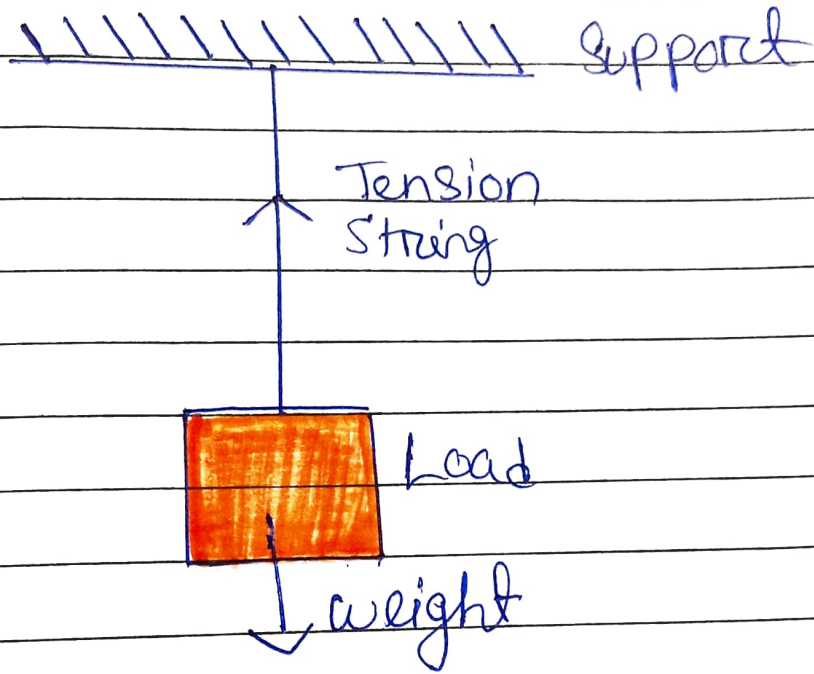
which acts on bodies by making an actual contact, is called contact force.

Examples :- (a) The muscular force applied as push and pull.

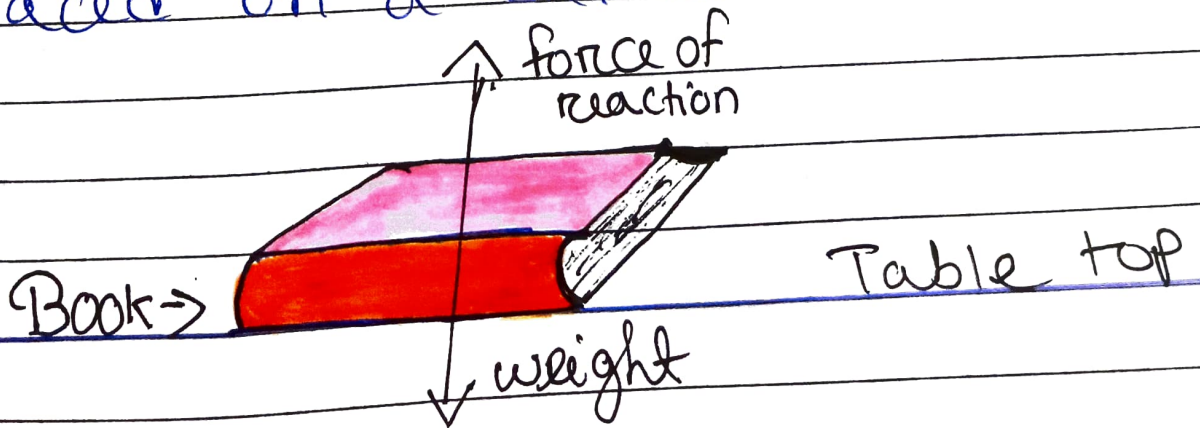
(b) The force of friction or frictional force exerted by a surface on a body in contact with it in a direction opposite to the direction in which the body is moved on the surface.



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



d) The force of reaction normal to the surface when a body is placed on a surface.



2. Non Contact forces:-

forces which act on bodies with no contact with them are called non-contact forces or forces from a distance.

Types of non contact forces:-

i) Gravitational force

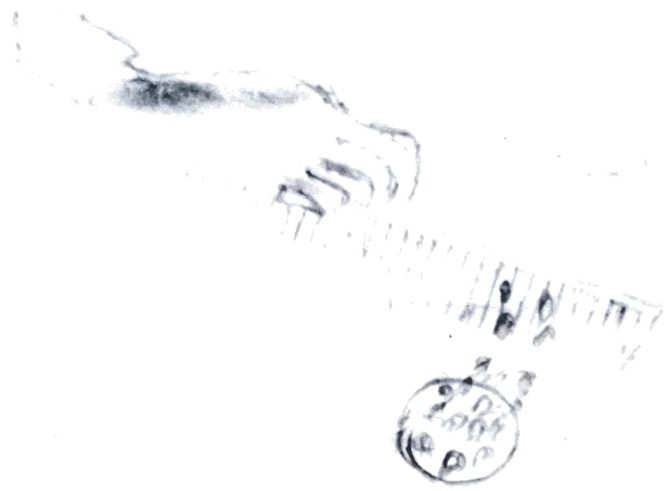
ii) Electrostatic force

iii) Magnetic force

Electrostatic force:-

Electrostatic force between two charged bodies at a distance. either repel or attract each other. Unlike charges attract while the like charges repel. If a plastic comb rubbed on a dry hair is brought near small bits of paper, we find that the bits of

Paper begin to move towards the comb because of electrostatic force of attraction between unlike charges.



(Electrostatic force of attraction makes the bits of paper move towards the Comb)