

THE  
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## Q1) Short and Long questions

Q1)

i) Force

i) i) a push - To open a door, we push it.

ii) a pull - To move a grass roller on a lawn, it is pulled by a gardener/gardener.

iii) a stretch - stretching a rubber band.

iv) a squeeze - change in shape of a sponge on squeezing.

## Q2) Define force.

ANS. - The strong strength or energy as an attribute of physical ~~action~~ action or movement is called force.

Q) Give an example of force as push and pull.

Ans- An Example of push as a force would be to push on a swing. The force ~~motor~~ moves the swing in a particular direction and the harder that you ~~pull~~ push the further the swing will go. An example of pull as a force would be opening a door. An example of pressure as a force is when you push down on a pile of ~~green~~ grapes.

Q) Explain force as stretch with the help of an example.

Ans- It exerts a counter force ~~in the opposite~~ As we stretch or compress an elastic material like a bungee cord, it resists the change in shape. It exerts a counter force in the opposite direction. This force is called force of stretching.

## Q3) Short and long questions

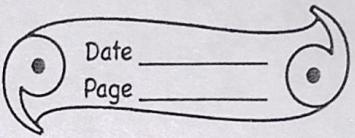
Q3 Ans- Force is a physical cause that changes or may tend to change the state of rest or the state of motion of an object. The S.I. unit of force is Newton.

Q4 Ans- When a force is applied on a stationary body ~~To stop it~~ begins to move.

Q5) Describe the different effects of force with approximate examples.

Ans- 1) Can change the state of an object

Ex- pushing a heavy stone in order to move it.



2) May change the speed of ~~object~~  
object if it is already moving

Ex - Catching a ball hit by a  
batsman

3) May change the direction of  
motion of an object.

Ex - A side wind can change  
the direction of a boat  
sailing on a sea.