

Q3 Exercise - B - 1, 2.

A3 1) A3 force is the term which is used for the push or pull.

2) A3 i) a push  $\rightarrow$  to open a door, we push it.

ii) pull it  $\rightarrow$  to move a grass roller on a lawn, it is pulled by a gardener.

iii) stretch  $\rightarrow$  stretching a rubber band.

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

Q) Define force.

As To apply any strength on any thing is called as force.

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

As push When we are pushing a cart we apply force on it.

pull When we are opening a door we are ~~applying~~ apply force on it.

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

As When we stretch an elastic it get stretched. This stretching force is called elastic force.

Exercise - B - 3, 4

3) As When we apply strength on any object it is said to be force.

Q2) A) When a force is applied on a stationary body, it begins to move. So a change in the state of motion is observed.

Q3) Describe the different effects of force with appropriate examples.

A) 1) force can change the shape of the object.  
\* 2) stop a moving object.

\* 3) change the speed,  
\* 4) change the direction.

Examples: \* When we catch a ball we change

1) the speed and stop it.

\* 2) when we hit it we change its direction.

\* 3) when we ~~stretch~~ <sup>play with</sup> a rubber band it changes its shape.