

H.W  
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## ch-3 Force

1. Define Force.

Ans- Force is a push or pull which can change the state of rest or motion of the body or can change the size and the shape of the body.

A force applied on a body can

a) move it if it not in motion

b) stop it if it is moving

c) increase or decrease its speed

d) change its direction of motion

e) change its shape and size.

2. Give an example of force as push and pull.

Ans- The example of

- Force as push -

To open a door, we push it.

- Force as pull -

To move a cart, it is pulled by a bull.

3. Explain force as stretch with the help of an example.

Ans- The example of force as a stretch is - On stretching a spring, it elongates.

If one end of a spring is tied to a hook and the other end is pulled down by suspending a body, its length increases i.e. the size of spring changes.