

Q.1 Name the term used for push or pull.

Ans- The term used for push or pull is force.

Q.2 Give one example each of a force as

1. a push

2. a pull

3. a stretch and

4. a squeeze

Ans- 1. a push - To open a door, we push it.

2. a pull - To move a cart, it is pulled by the bull.

3. a stretch - When a rubber string is stretched it elongates.

4. a squeeze - On squeezing a tube of gum or toothpaste, its shape changes.

Q.3 Ans- Force is a cause which tends to ~~to move a~~ ~~body originally~~ change the state of a body (either the state of rest or the state of motion or the direction of motion) or changes the size or shape of the body.

Q.4 Ans- Force can move a stationary body.

Q. Define force.

Ans. Force is a cause that tends to change the state of a body (either the state of rest or the state of motion or the direction of motion) or changes the shape or size of the body.

Q. ~~Explain force as~~ Give an example of force as push or pull.

Ans. Example of force as push - when we open a door, we push it.

Example of force as pull - ~~to~~ to move a cart, it is pulled by the pull.

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

Ans. When ~~a~~ a rubber string is stretched, it elongates. So, a force applied as stretch changes the shape or size of the body.

Q. Describe the different effects of force with appropriate examples.

Ans. The effects of force are -

* Force can move a body originally at rest. When a ball ^{in rest is} kicked, it starts to move.

* Force can stop a moving body: A ^{cricket} ball stops when the fielder applies a force with his hands in a direction opposite to the direction of motion of the ball.

* Force can make a moving body to move faster: when a ball is kicked in the direction in which the ball is moving, it moves faster.

* Force can slow down a moving body: A swing can be slowed down if a person pulls the swing in opposite direction.

* A force can ~~to~~ change the direction of motion of the moving body: In badminton, ~~at~~ the direction of motion of the cock is changed by hitting it in the opposite direction.

* Force can change the shape or size of a body: ~~When~~ On squeezing a piece of rubber, its shape changes or, when a ball of dough is pressed its shape changes.

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