



CREST Science Olympiad (CSO) Worksheet *for* Class 3



Topic

Force



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Worksheet on Force

1. Which type of force helps in slowing down or stopping a moving bicycle when the brakes are applied?



- a. Muscular force
- b. Magnetic force
- c. Frictional force
- d. Gravitational force

2. Choose an action that does not involve the application of an external force.

a.



b.



c.



d.



3. What effect does a force have on a stationary object?

- a. It can move the object.
- b. It can make the object lighter.
- c. It can make the object invisible.
- d. It changes the object's colour

4. Select the action where gravitational force plays a significant role.

- a. Blowing bubbles with a bubble wand
- b. A ball rolling down a hill
- c. Turning the pages of a book
- d. Drawing a picture with crayons

5. Match the following.

	Column I		Column II
1.	Gravitational Force	A.	Force generated when two surfaces rub against each other
2.	Frictional Force	B.	Force we used to move or lift objects.
3.	Muscular Force	C.	Force that pulls everything towards the ground

- a. 1:A, 2:B, 3:C
- b. 1:B, 2:A, 3:C
- c. 1:C, 2:B, 3:A
- d. 1:C, 2:A, 3:B

Answer Key

1. c - When the brakes are applied on a bicycle, frictional force is generated between the brake pads and the wheels. This frictional force opposes the motion of the bicycle, causing it to slow down or stop.
2. b - When you are sleeping, you are at rest, and no external force is needed.
3. a - A force can cause a stationary object to move.
4. b - The force of gravity pulls the ball downward, causing it to roll downhill. The gravitational force is responsible for the ball's motion and the change in its speed as it moves downward due to the pull of gravity.
5. d -
Gravitational Force: Force that pulls everything towards the ground
Frictional Force: Force generated when two surfaces rub against each other
Muscular Force: Force we used to move or lift objects.

More Questions Coming Soon – Keep Learning!



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