

India's Number 1 Education App

PHYSICS

BOOKS - NCERT EXEMPLAR

FORCE

Multiple Choice Questions

1. During dry weather, while combing hair, sometimes we experience hair flying apart. The force responsible for this is

A. force of gravity

B. force of friction.

C. electrostatic force.

D. magnetic force.

Answer: C

Watch Video Solution

2. Two objects repel each other. This repulsion

could be due to

A. frictional force only

B. electrostatic force only

C. magnetic force only

D. either a magnetic or an electrostatic

force

Answer: D

3. Which one of the following forces is a contact force?

A. force of gravity

B. magnetic force

C. force of friction

D. electrostatic force

Answer: C

 A ball of dough is rolled into a flat chapatti.
Name the force exerted to change the shape of the dough.

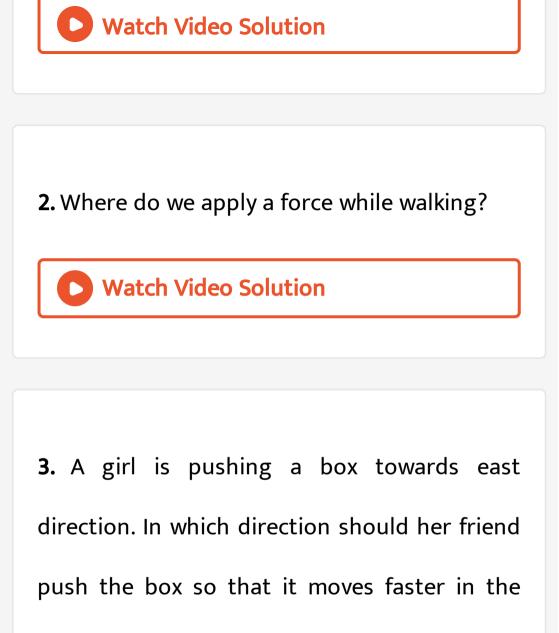
A. Muscular force

Β.

C.

D.

Answer:



same direction?

B. East

C. North

D. South

Answer: B

Watch Video Solution

4. During dry weather, clothes made of synthetic fibre often stick to the skin. Which type of force is responsible for this phenomenon?



5. During dry weather, clothes made of synthetic fibre often stick to the skin. Which type of force is responsible for this phenomenon?

Watch Video Solution

6. Does force of gravity act on dust particles?

7. A gas filled balloon moves up. Is the upward force acting on it larger or smaller than the force of gravity?

Watch Video Solution

8. Does the force of gravitation exist between

two astronauts in space?

1. A chapati maker is a machine which converts balls of dough into chapati's. What effect of force comes into play in this process?

Watch Video Solution

2. Two persons are applying forces on two opposite sides of a moving cart. The cart still moves with the same speed in the same direction. What do you infer about the magnitudes and direction of the forces

applied.



3. Two thermocol balls held close to each other move away from each other. When they are released, name the force which might be responsible for this phenomenon. Explain.



4. Fruits detached from a tree fall down due to force of gravity. We know that a force arises due to interaction between two objects. Name the objects interacting in this case.

Watch Video Solution

5. A man is pushing a cart down a slope. Suddenly the cart starts moving faster and he wants to slow it down. What should he do?



6. An archer shoots an arrow in the air horizontally. However, after moving some distance, the arrow falls to the ground. Name the initial force that sets the arrow in motion. Explain why the arrow ultimately falls down.



7. It is difficult to cut cloth using a pair of scissors with blunt blades. Explain.

8. Two women are of the same weight. One wears sandals with pointed heels while the other wears sandals with flat soles. Which one would feel more comfortable while walking on a sandy beach? Give reasons for your answer.

Watch Video Solution

9. It is much easier to burst an inflated balloon

with a needle than by a finger. Explain.



