Force

Name : _____

Date : _____

Answer all the questions in the Science exercise book.

1 State the force used to carry out the following activities.

(a) 

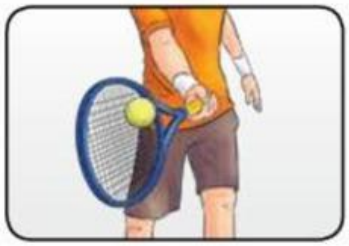
(b) 

(c) 

_____ _____ _____

2 Explain the effects of force for the activities shown in the pictures below.

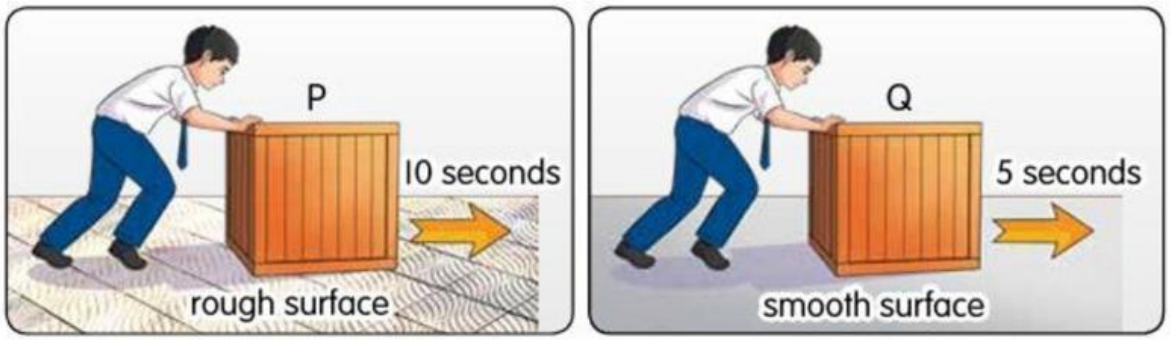
(a) 

(b) 

(c) 

_____ _____ _____

3 The pictures below show the time taken to move box P and Q for the same distance. Box P and Q also have the same mass.



(a) Why does it take a longer time to move box P compared to box Q?

_____

(b) What is the factor that affects the movement of both boxes?

_____

(c) Predict the time taken to move box P and box Q if the mass of the boxes is increased. Give your reasons.

_____

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4 State the effect of frictional force in each picture below.

(a) 

(b) 

(c) 

5 The pictures below show problems involving frictional force. State the ways to overcome the problems.

(a) 

(b) 

(c) 

_____ _____ _____

6 Tick (✔) the correct statements.

(a) Air pressure is produced due to the collisions of air particles on the surface of an object.	
(b) Air pressure at the peak of a mountain is higher than the air pressure at the base	
(c) Air pressure will increase when the number of air particles increases.	

7 Answer the questions below based on the following statement.

> Many climbers require oxygen tanks to reach the peak of Mount Everest safely.

(a) Why do climbers use oxygen tanks when they are at the peak of Mount Everest?

_____

(b) How do you describe the air pressure at the peak of the mountain based on your answer in 7(a)?

_____

(c) State the relationship between elevation level of the mountain and air pressure.

_____

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