8.2 EFFECTS OF FORCE

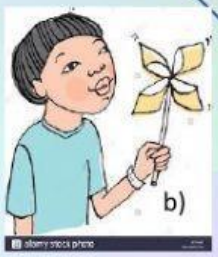
1. Based on the pictures given, state the effects of force on objects in the circle map below

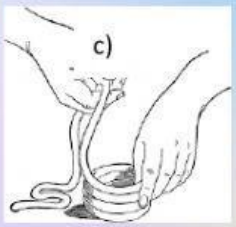
Effects of force

a) 

a) _____ a stationary object

b) Changes the _____ of a moving object.



c) 

c) Changes the _____and _____ of an object.

d) Changes the _____ of an object that is in motion.





e) _____ a moving object

2. Diagram below shows the apparatus set up to determine the buoyant force.

What is the

a) real weight of object P?

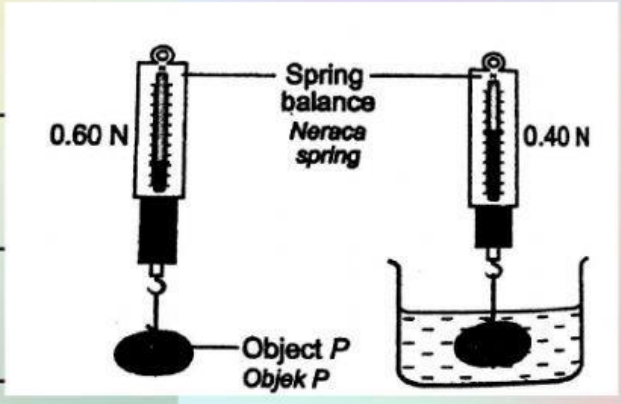
_____

b) apparent weight of object P?

_____

c) buoyant force of object P?

_____



LIVEWORKSHEETS

3. Drag and drop with the correct answers.

change	moving	cannot	stationary
slow down	size	direction	effects

1. Force _____ be seen.

2. We can see the _____ of force.

3. Force can move a _____object.

4. Force can change the shape, the _____ and the movement of an object.

5. Force can stop a _____ object.

6. The shape of aluminium can will _____ when crushed.

7. A car that moves fast will _____ when a frictional force on its tyres increases.

8. A rider applies a force to her bicycle so that it changes its _____ during making a U-turn.

4. Choose the correct answers on buoyant force.

a) An object which is less dense than the fluid will experience a buoyant force _____ its weight. So the object will _____ the fluid.

b) An object which is denser than the fluid will experience of buoyant force _____ its weight. So the object will _____ the fluid.

LIVEWORKSHEETS

4. The table below shows incomplete information from an activity about several objects that are measured using spring balance in the air and into the water.

Object	Wooden ladle	Screw	Marker pen	Plasticene ball
Actual weight (N)	10	4	6	8
Apparent weight (N)	0	3	0	2
Buoyant force (N)				

a) Complete the information in the table above based on the following formula:

Buoyant force = actual weight – apparent weight

b) List the objects that:

i) float on the water surface:

_____

ii) submerge in the water:

_____

LIVEWORKSHEETS