

1 Match the two columns.

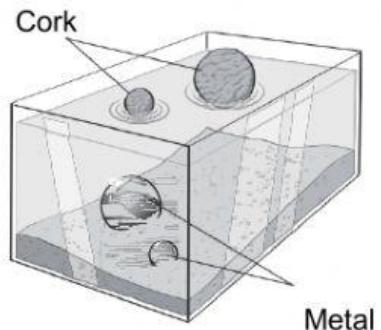
Matter	•	<input type="checkbox"/> 1
Volume and mass	•	<input type="checkbox"/> 2
Scales and test tubes	•	<input type="checkbox"/> 3
Hardness, brittleness, elasticity and density	•	<input type="checkbox"/> 4

- You use them to measure mass and volume.
- It is everything that occupies a space or volume and has mass.
- They are specific properties of matter.
- They are the general properties of matter.

2 Look at the objects which appear in the image and answer the questions.

a) Why does the cork ball float when the metal ball sinks, if both have the same volume?

.....



b) Explain why both of the metal balls sink if they have a different mass? What does this depend on then?

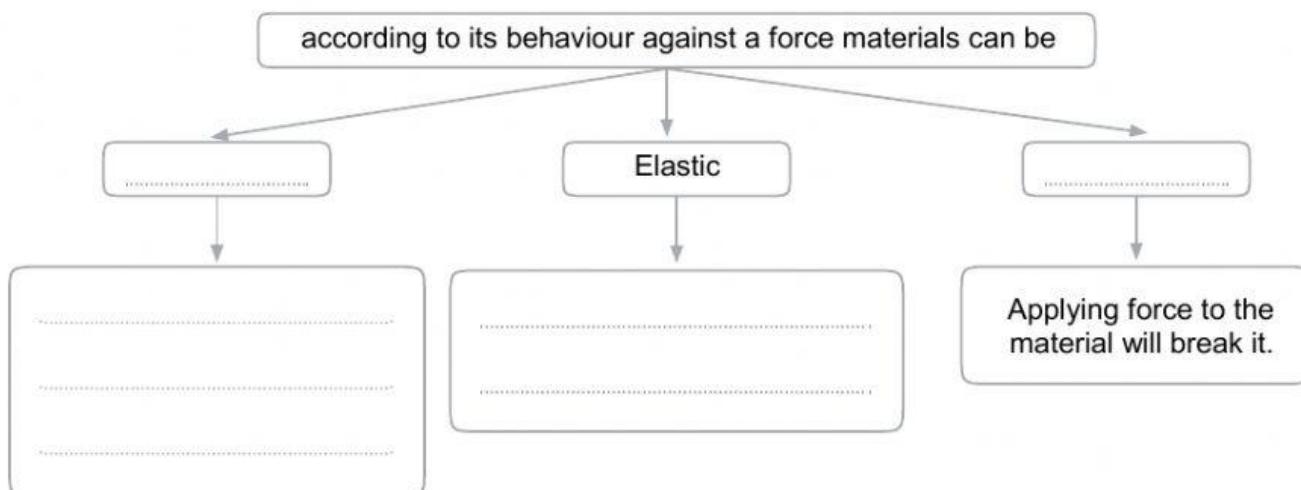
.....

3 Complete the following sentence.

Force is the between two bodies that can change the of an object,
..... or break it.

4 How can we change the movements of an object by applying force?

5 Complete the following diagram about the changes in shape that force can produce.



6 Match the materials with their corresponding properties.

Insulating material • 1

• Doesn't allow light to pass through.

Opaque material • 2

• It allows heat to travel through it.

Waterproof material • 3

• It doesn't allow liquids to travel through it.

Conductive material • 4

• It doesn't allow heat to travel through it.

7 Tick the false sentence and correct it.

- Each type of material has specific properties that make it different from the rest.

- Applying force to an object can allow changes in motion or shape.

- An opaque item allows light to travel through it

8 What properties are these materials showing?

