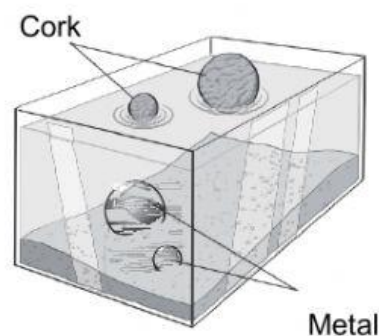


## 1 Match the two columns.

Matter • ☐ 1Volume and mass • ☐ 2Scales and test tubes • ☐ 3Hardness, brittleness, elasticity and density • ☐ 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?

.....

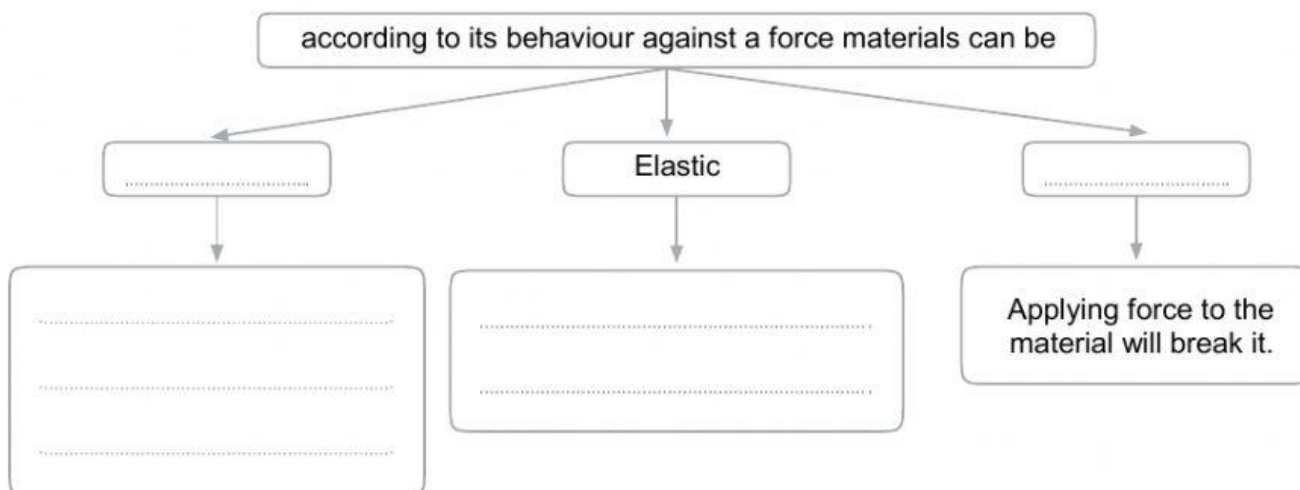
## 3 Complete the following sentence.

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 • | <input type="checkbox"/> 1 | <input type="checkbox"/> • Doesn't allow light to pass through.           |
| Opaque material •     | <input type="checkbox"/> 2 | <input type="checkbox"/> • It allows heat to travel through it.           |
| Waterproof material • | <input type="checkbox"/> 3 | <input type="checkbox"/> • It doesn't allow liquids to travel through it. |
| Conductive material • | <input type="checkbox"/> 4 | <input type="checkbox"/> • 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?

