

# MATTER AND MATERIALS



## 1. Read the text about matter and complete.

colour    general    matter    space    specific    substances    volume

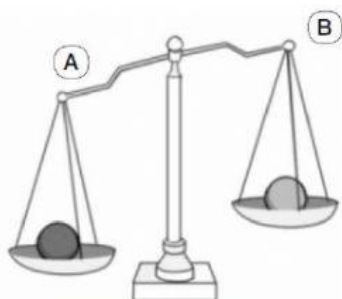
a. \_\_\_\_\_ is everything around us that takes up b. \_\_\_\_\_.  
 Objects are made of different types of matter called c. \_\_\_\_\_. Matter  
 has d. \_\_\_\_\_ properties that are common to all matter, such as mass  
 and e. \_\_\_\_\_. Matter also has f. \_\_\_\_\_ properties that  
 are different for each substance, for example, g. \_\_\_\_\_ and hardness.

## 2. Complete the table about matter.

grams    litres    matter    scales    space    volume

	definition	is measured in	is measured with
mass	the amount of _____ in an object	kilograms (kg) and _____	_____
_____	the amount of _____ that an object occupies	_____ (l) and millilitres (ml)	a measuring cylinder

## 3. Look at the pictures and answer the questions.



- Do the balls have the same volume? \_\_\_\_\_
- Do the balls have the same mass? \_\_\_\_\_
- Which ball has the higher density? \_\_\_\_\_






**4. Match the descriptions to the changes in matter. Then, write C (chemical change) or P (physical change).**

- |                                      |                |                          |
|--------------------------------------|----------------|--------------------------|
| a. A gas becomes a liquid.           | melting        | <input type="checkbox"/> |
| b. A substance burns.                | evaporation    | <input type="checkbox"/> |
| c. A liquid becomes a solid.         | combustion     | <input type="checkbox"/> |
| d. A liquid becomes a gas.           | condensation   | <input type="checkbox"/> |
| e. A substance combines with oxygen. | solidification | <input type="checkbox"/> |
| f. A solid becomes a liquid.         | oxidation      | <input type="checkbox"/> |

**5. Read and write granite or bronze.**

 Read and write *granite* or *bronze*.

- You can see the separate substances. \_\_\_\_\_
- It has a uniform composition. \_\_\_\_\_
- It's a homogeneous mixture. \_\_\_\_\_
- It's a heterogeneous mixture. \_\_\_\_\_
- It's an alloy. \_\_\_\_\_



**6. Classify the materials.**

*leather   marble   paper   glass   plastic   wood*

natural materials	man-made materials
_____	_____
_____	_____
_____	_____

