

MATTER AND MATERIALS



1. Read the text about matter and complete.

colour general matter space specific substances volume

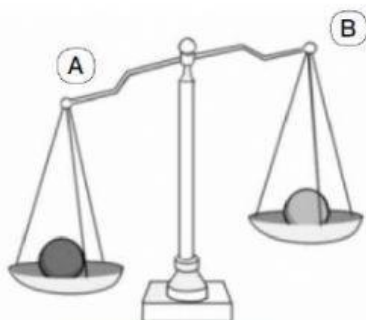
a. _____ is everything around us that takes up b. _____.
 Objects are made of different types of matter called c. _____. Matter
 has d. _____ properties that are common to all matter, such as mass
 and e. _____. Matter also has f. _____ properties that
 are different for each substance, for example, 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 | ☐ |
| b. A substance burns. | evaporation | ☐ |
| c. A liquid becomes a solid. | combustion | ☐ |
| d. A liquid becomes a gas. | condensation | ☐ |
| e. A substance combines with oxygen. | solidification | ☐ |
| f. A solid becomes a liquid. | oxidation | ☐ |

5. Read and write granite or bronze.

Read and write *granite* or *bronze*.

- | | |
|---|-------|
| a. You can see the separate substances. | _____ |
| b. It has a uniform composition. | _____ |
| c. It's a homogeneous mixture. | _____ |
| d. It's a heterogeneous mixture. | _____ |
| e. It's an alloy. | _____ |



6. Classify the materials.

leather marble paper glass plastic wood

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

