

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. _____.

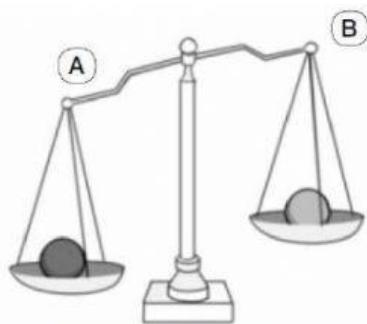
Objects are made of different types of matter called c. _____. Matter has d. _____ properties that are common to all matter, such as mass and e. _____. Matter also has f. _____ properties that are different for each substance, for example, g. _____ and hardness.

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.

➊ 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
_____	_____

