

Name: _____

1. Write the following definitions:

- a) Matter: matter is anything in the Universe that has a mass and a volume. Living and non-living things are made of matter.
- b) Mass: it is the amount of matter that it is in an object. It is expressed in kilograms.
- c) Volume: it is the amount of space an object occupies. It is expressed in litres.
- d) Combustion: it is a chemical change that produces light and heat. To burn something we need fuel, a spark and oxygen.

2. Complete the sentence.

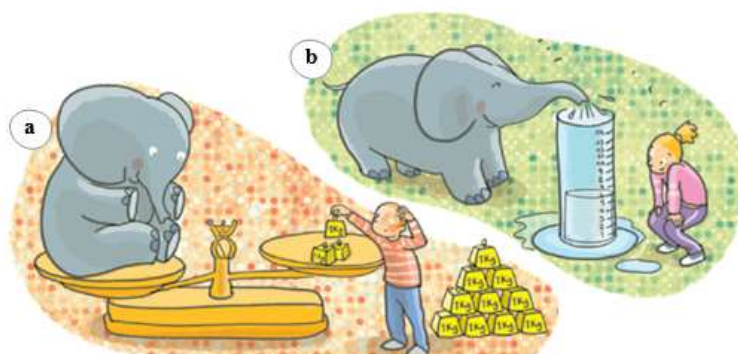
Matter is everything that occupies space and has got mass and volume.

3. Which is the odd one out and why? Rock, water, light.

Light because it isn't matter. Light doesn't have mass and volume.


4. What is being measured in these pictures?

- a) Mass
- b) Volume



Name: _____

5. Sort the words below into the table.

milk	crisps	air	water	book
oxygen	apples	ice	cup	carbon dioxide
helium	biscuit	lemonade	fruit juice	

Solids	Liquids	Gases
Crisps	Milk	Air
Book	Water	Oxygen
Apples	Lemonade	Carbon dioxide
Ice	Fruit juice	Helium
Cup		
Biscuit		

6. Can you think of two more examples of the following?

Solid: **free answer**

Liquid: **free answer**

Gas: **free answer**

Name: _____

7. Complete the paragraph with the words in the box.

heat open shape force

A solid has got its own shape, which doesn't change unless we use **force** or **heat** on it. If something is in a liquid state, it takes the **shape** of its container. When something is a gas, it cannot be contained inside an **open** container, because gas expands to fill the available space.

8. Two important changes to matter are:

Changes of states and **combustion**.

9. What two things does combustion produce?

Light and **heat**.

10. Answer the questions:

a) What is the difference between a natural material and a man-made material?

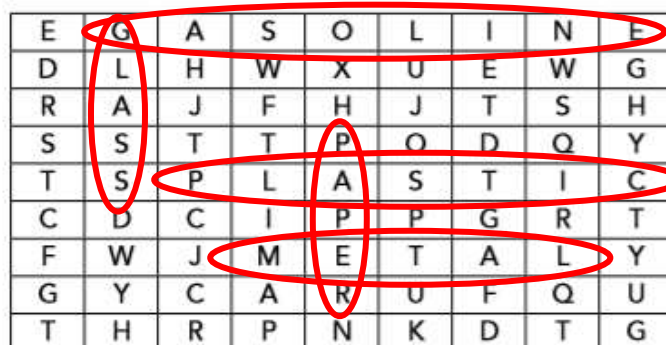
Natural materials occur naturally. Man-made materials are made by transforming natural materials.

b) Are these materials natural or man-made?



11. Complete the words. Then find them in the word search.

1. Gasoline 2. Glass 3. Metal 4. Paper 5. Plastic



Name: _____

12. Complete the mind map.

