

① Complete the sentences with *matter* or *materials*.

- a. Everything on our planet is made up of matter.
- b. We use different materials like wood, plastic and metal to make things.

② Look at the photos and complete the sentences using the words in the box. Some words can be used more than once.

Materials

~~glass~~ ~~fabric~~ ~~metal~~ ~~plastic~~

Properties

~~flexible~~ ~~rigid~~ ~~absorbent~~ ~~waterproof~~



- a. This is made of metal. It's rigid and waterproof.
- b. This is made of plastic. It's flexible and waterproof.
- c. This is made of fabric. It's flexible and absorbent.
- d. This is made of glass. It's rigid and waterproof.

③ Match and make sentences about the properties of materials.

a. A fragile material

b. A flexible material

c. A rigid material

d. A resistant material

is difficult to break.

breaks easily.

can change shape easily.

doesn't change shape easily.

4 Complete the sentences with *physical change* or *chemical change*.

- a. When matter changes shape, size or state it is called a physical change.
- b. When matter changes into different matter it is called a chemical change.
- c. Combustion is an example of a chemical change.
- d. Freezing water to make ice is an example of a physical change.

5 Look at the photos. Are these physical or chemical changes in matter? Write sentences.



This is a physical change because the matter changes shape.



This is a chemical change because the wood changes into different matter and becomes ash.



This is a physical change because the matter changes state, from liquid to solid.



This is a chemical change because the metal changes into rust. This is called oxidation.

6 Look at the photos. How many different materials can you see in each mixture?



cereal



salt water



fruit salad



chocolate milkshake

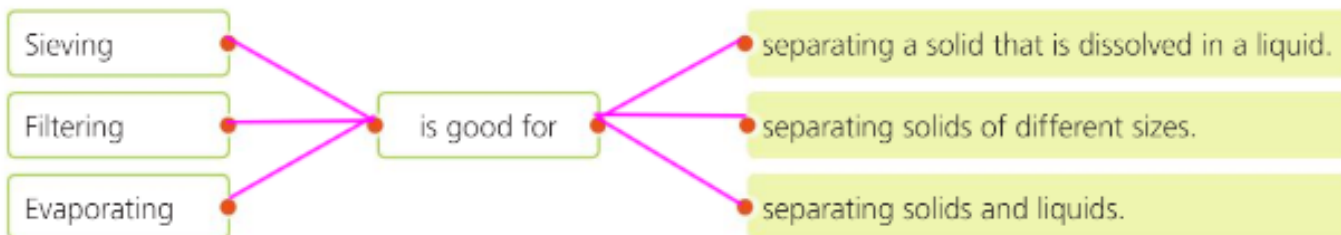
a. *I can see three materials in this mixture.*

b. *I can only see one material in this mixture.*

c. *I can see four materials in this mixture.*

d. *I can only see one material in this mixture.*

7 Match and write true sentences about separating mixtures.



a. *Sieving is good for separating solids of different sizes.*

b. *Filtering is good for separating solids and liquids.*

c. *Evaporating is good for separating a solid that is dissolved in a liquid.*

8 Which mixtures in activity 6 do you think you can separate?
How can you separate them?

A, B and C.

I SEPARATE THE STRAWBERRIES AND CEREALS (SOLID) FROM THE MILK (LIQUID) THROUGH SIEVING.

I SEPARATE SALT (SOLID) FROM WATER (LIQUID) BY EVAPORATING.

I SEPARATE THE DIFFERENT FRUITS (SOLID) PICKING THEM UP WITH OUR HANDS.