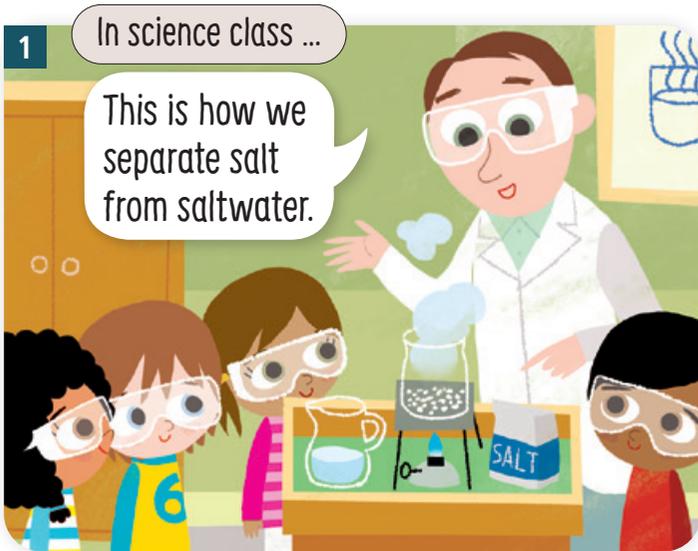


MATERIALS

STORY TIME

1  Read and listen to the story. How do they get the car?



5

No... the rulers are too smooth.



I know! With a magnet!

6

That's right! The car is metal!



2 Act out the story.

ABOUT THE STORY



1 Read, look and circle.

a Who decides to use a magnet?

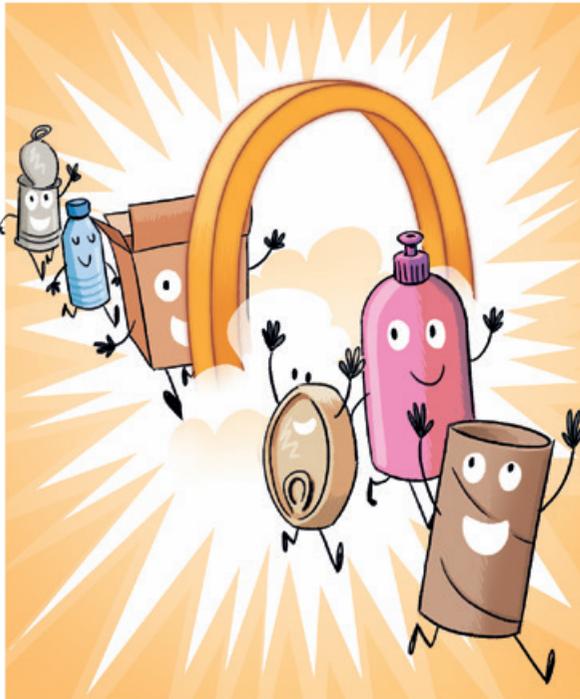


b When I solve a problem by myself, I feel ...



SONG

- 1  Listen and sing the *We use materials* song.



WE USE MATERIALS

Plastic, metal, wood and glass,
bricks, cement - let's build some stuff!
Water, tea, orange juice and milk.
They are all delicious drinks!

CHORUS

**We use materials to make lots of things.
And when we're done,
throw some in the bin!
We can recycle things and use them again
to build new items and objects!**

Stone and steel are so tough.
Silk is smooth and trees are rough.
Cod and batter in the mix,
makes yummy food like fish and chips!

- 2  Listen to the song again. Number the words.



bricks



smooth



water



rough

LET'S ZOOM IN!

- 1 What do you see?
2 What is it?



WHAT ARE MATERIALS?

1 Look. Find the stickers to label the photo.



2  Listen to the *Materials* chant. Number the photos.



Brick, plastic, wood, paper, glass and metal are materials. We use materials to make objects that do many different things.

WHAT ARE MATERIALS LIKE?

1 Look at the properties of materials. Match the opposites.



rough



waterproof



absorbent



smooth



2 Use the code to colour.

 soft pillow

 flexible gloves

 rigid toy

 hard chair



3 Look. Circle the correct words.



The plastic rain boots are waterproof/absorbent.

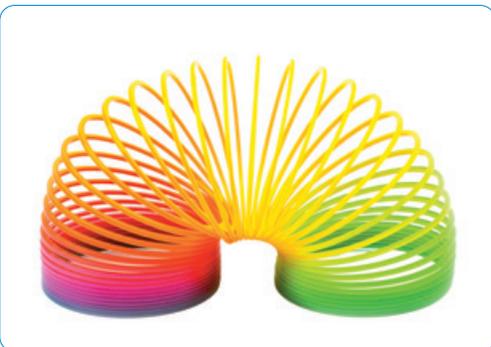


The floor made of stone is smooth/rough.

4  In pairs, look at the photos. Ask the questions about their properties.



Is it (*flexible*)?



Yes, it is. /
No, it's (*rigid*).

We use materials for many things. They can be different and have various properties. Some can be waterproof or absorbent, smooth or rough, hard or soft, or flexible or rigid.

NATURAL AND MANUFACTURED MATERIALS

1  Listen. Use the code to colour.

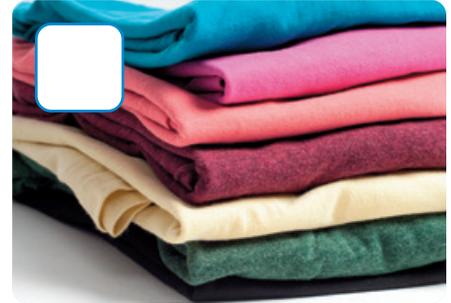
 natural material  manufactured material



wood



paper



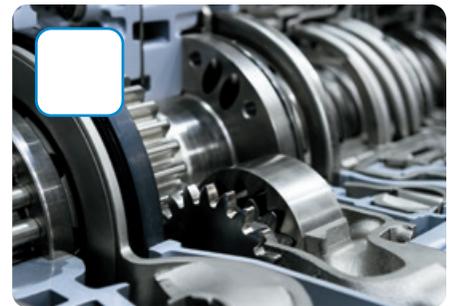
fabric



glass



plastic



metal

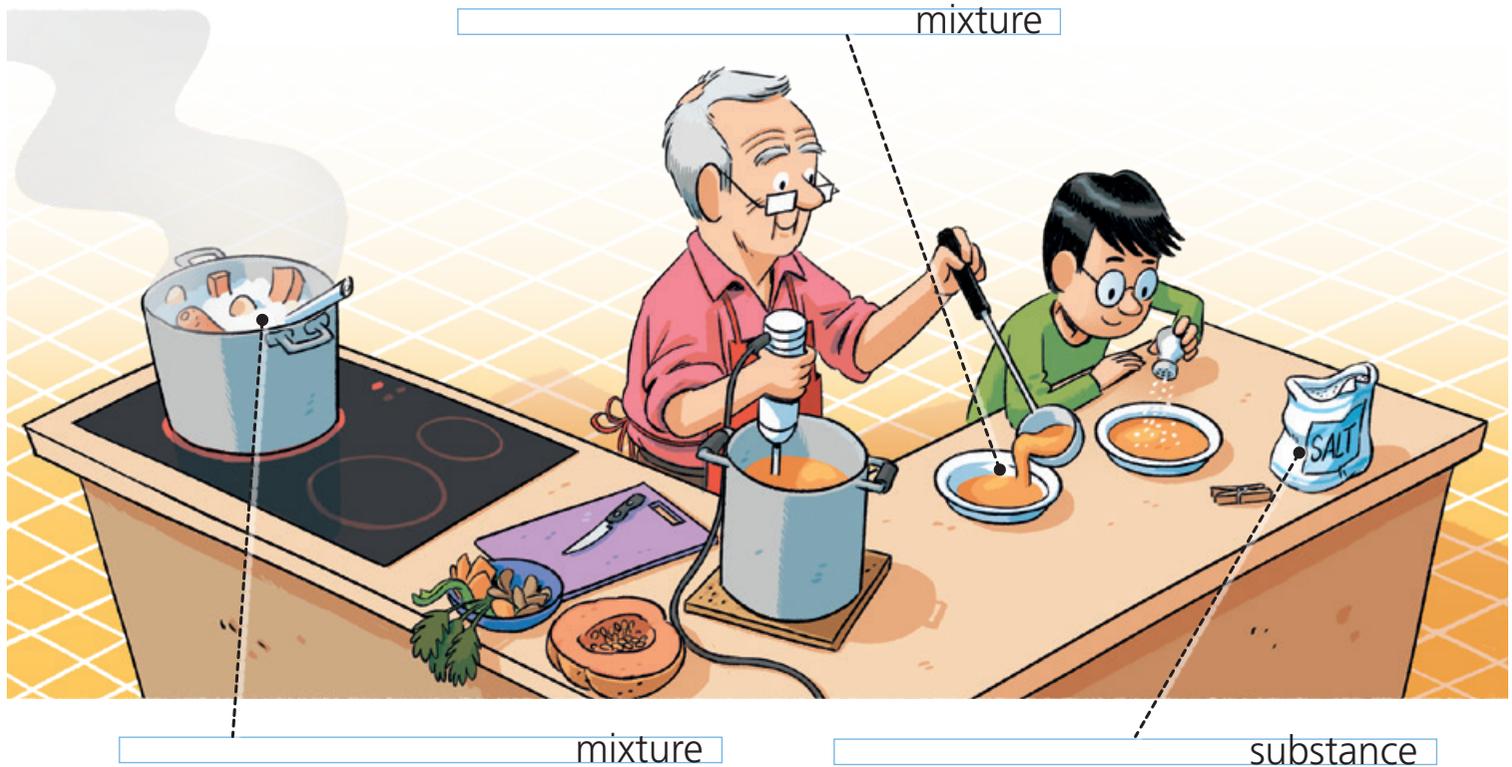
2 Tick the toys made from manufactured materials.



Some materials come from nature and some materials are made by people. Natural materials come from the ground, animals or plants. We make manufactured materials with natural materials.

IS IT A MIXTURE?

1  Listen. Write *pure*, *heterogeneous* or *homogeneous*.



2 Use the code to circle.

 pure substance

 homogeneous mixture

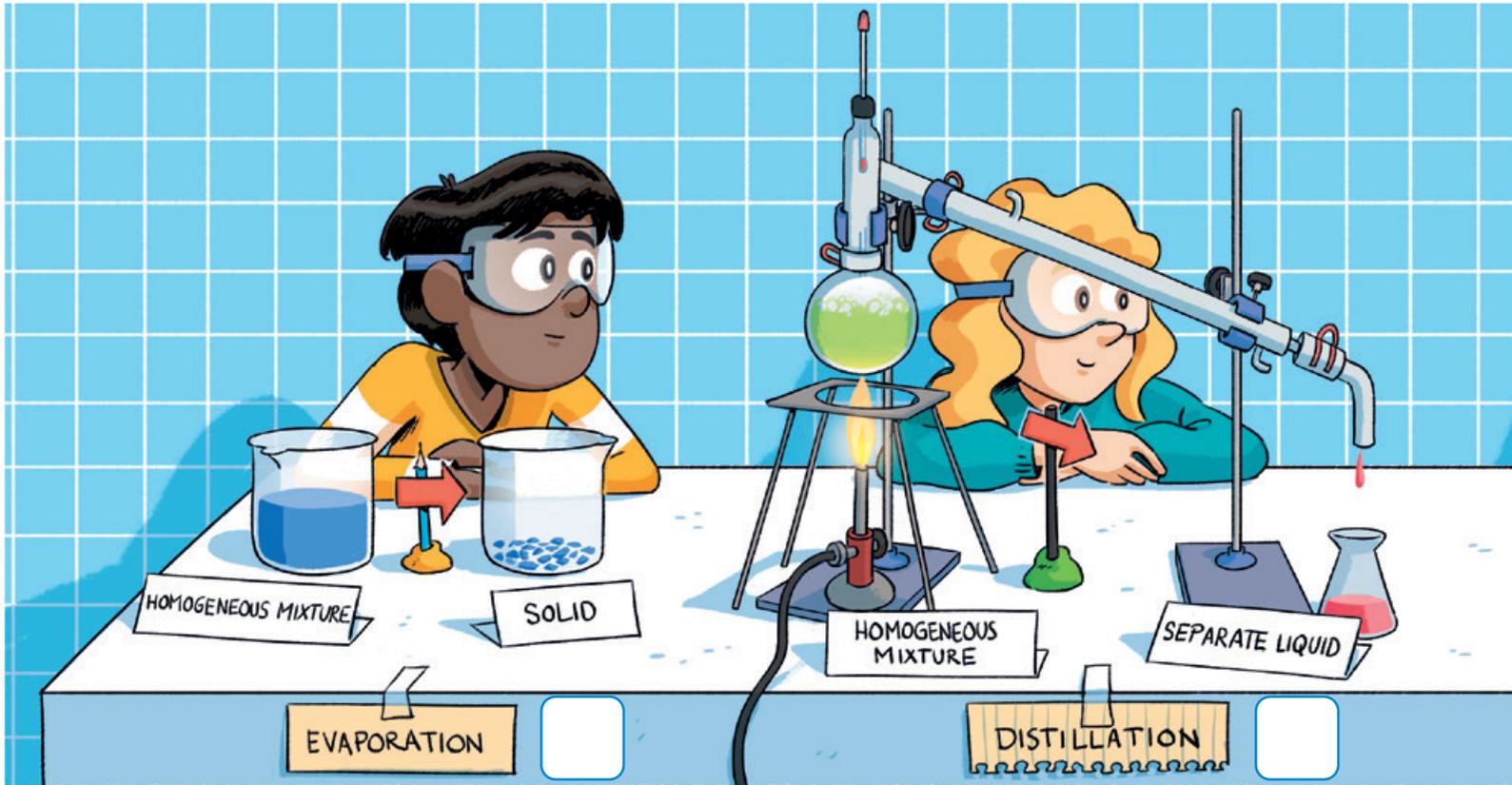
 heterogeneous mixture



Materials come from pure substances or mixtures. In heterogeneous mixtures, we can see different substances. In homogeneous mixtures, it is difficult to see the different substances they are made of.

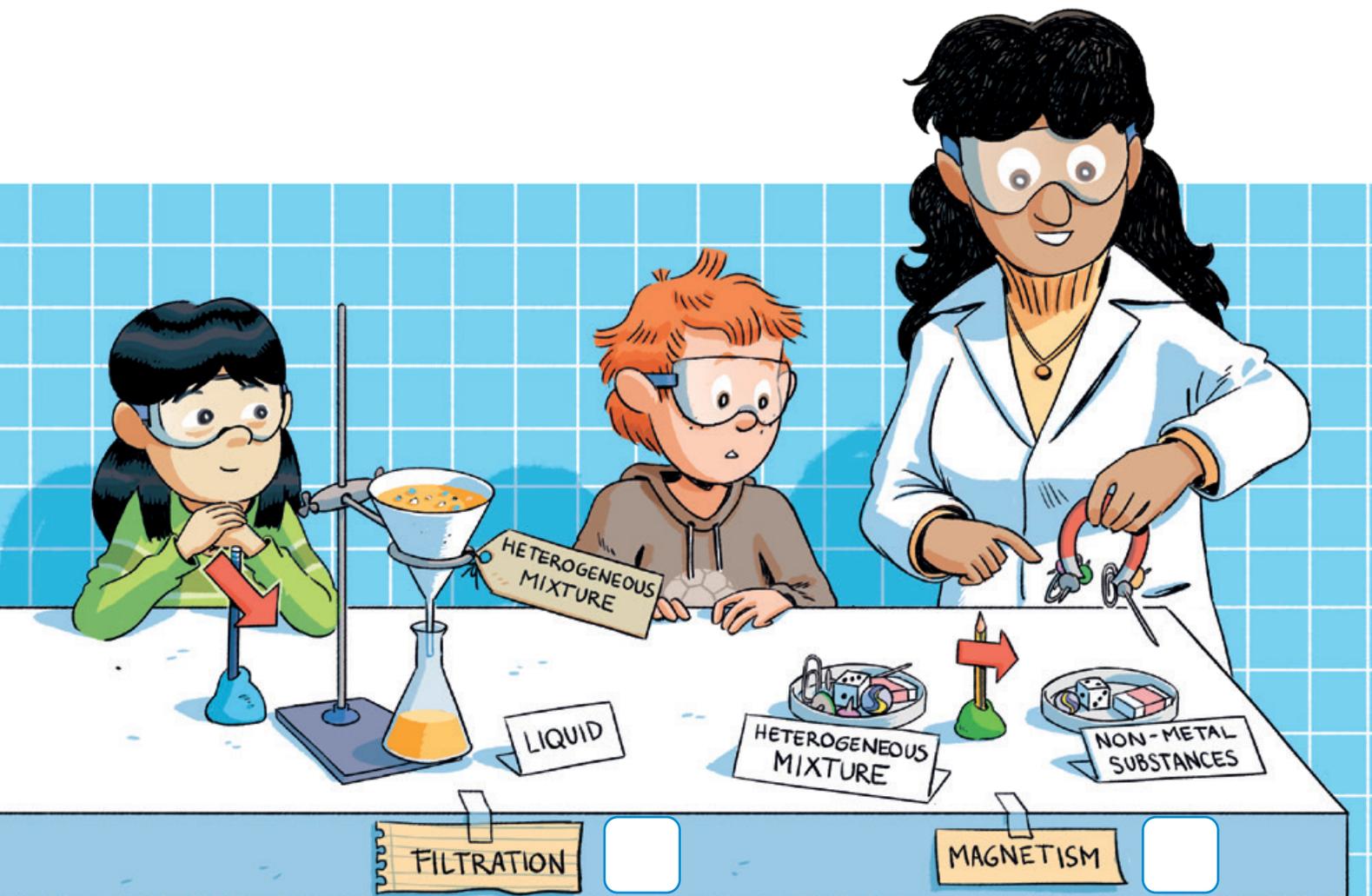
HOW CAN WE SEPARATE MIXTURES?

1  Listen and number.



2 Which photos show filtration? Circle.





3 Which process do the photos show? Write *evaporation*, *distillation* or *magnetism*.









There are various methods to separate different types of mixtures: evaporation, distillation, filtration and magnetism.

LANGUAGE CORNER



Time to listen

1 Listen and tick .

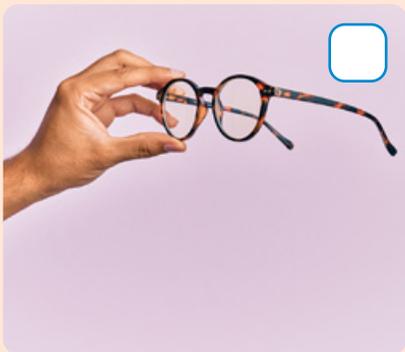
a Where does Eliza live?



b What are Louie's bags made from?



c Tim likes Jane and Fred's ...



SCIENCE WORKSHOP

SEPARATING A MIXTURE

Use a magnet to separate different materials.



Materials:



Look

Look at the different materials for your mixture.

Think

Which materials can you separate from the mixture with a magnet? Draw.

Find out

Combine all the materials to make a mixture.
Put a magnet close to the mixture.
Pull the magnet away to separate the materials.

Make conclusions

Share your results with the class.



PUBLIC SPEAKING

Listen to the explanation. What questions do you have?

UNIT REVIEW

What are materials?

1 Which material is it? Write.



The toy is .



The horse is .



The coin is .



The wall is .



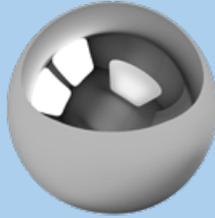
The chair is .



The plane is .

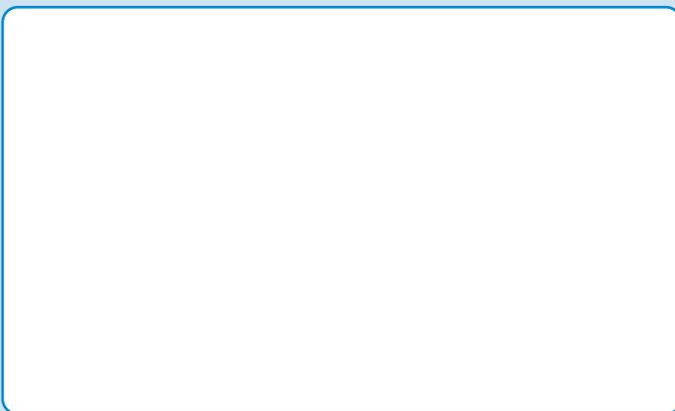
What are materials like?

2 Look at the objects. Tick the correct properties.

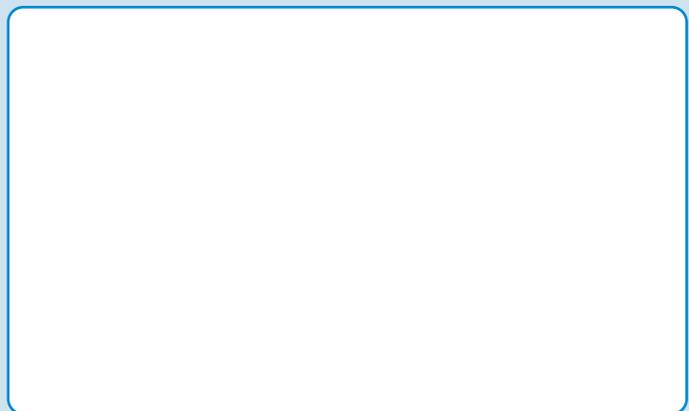


absorbent		
waterproof		
hard		
soft		
flexible		
rigid		

3  Listen and draw the objects. What are they?



It's a beach .



It's a .

Natural and manufactured materials

4 What is it made from? Write.

metal wood plastic glass fabric paper













Is it a mixture?

5 Do the *Colour-Symbol-Image* thinking routine.



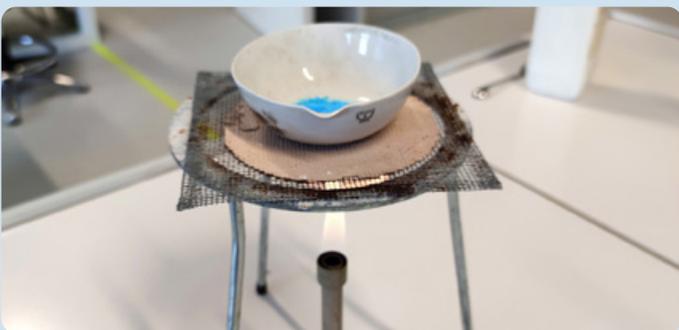
 Colour	 Symbol	 Image
homogeneous mixture	pure substance	heterogeneous mixture

5 Cross the odd one out in each row.



How can we separate mixtures?

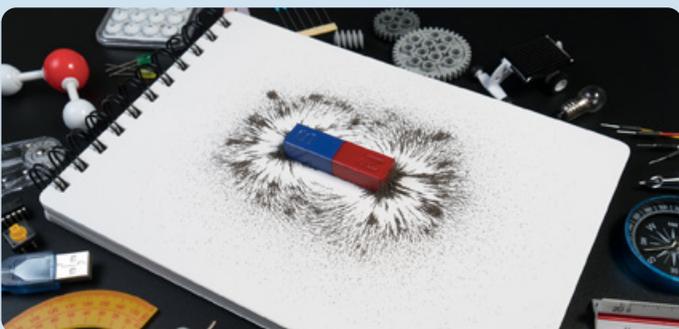
6 Circle the correct words.



filtration/evaporation



magnetism/distillation



magnetism/evaporation

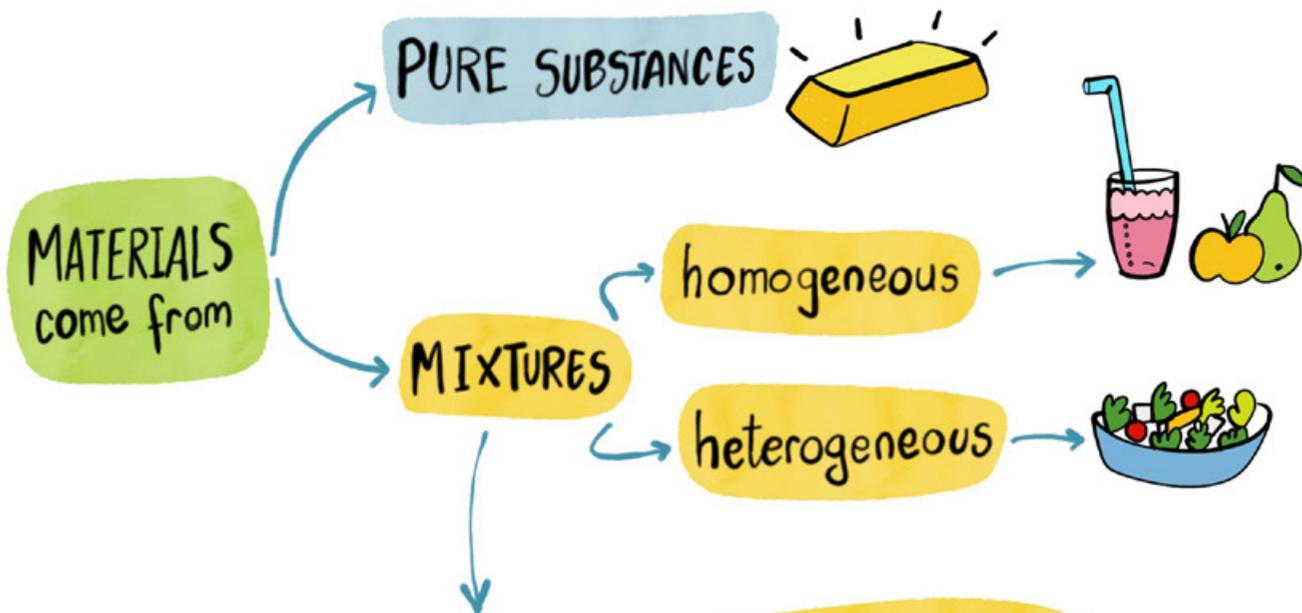


filtration/distillation

▶ VISUAL SUMMARY



MATERIALS and MIXTURES



How can we SEPARATE mixtures?

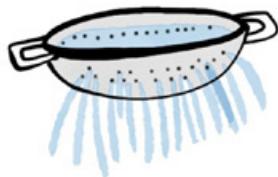
evaporation



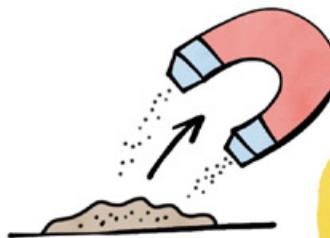
distillation



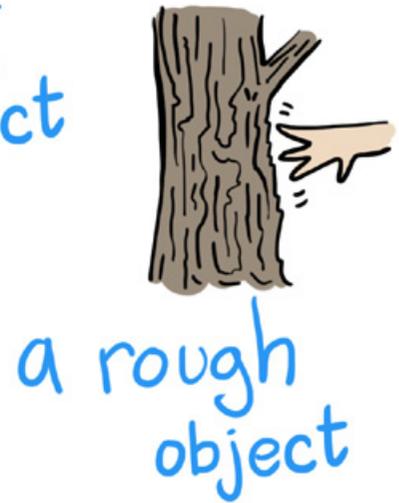
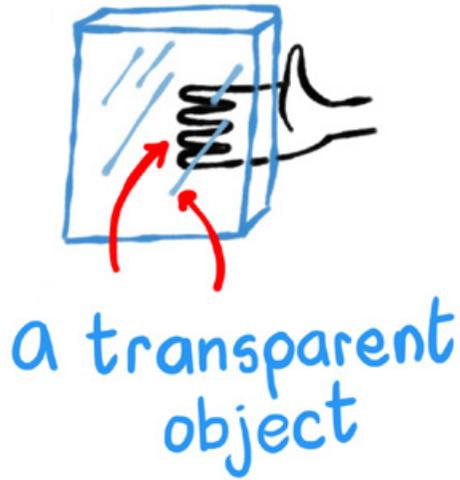
filtration



magnetism



ADDING DETAILS TO OBJECTS

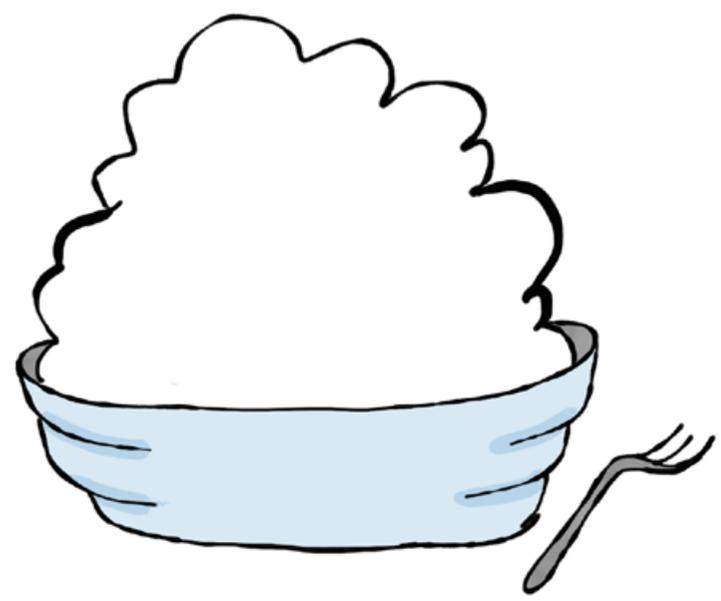


VISUAL CHALLENGE

Draw a different mixture in each picture.



HOMOGENEOUS



HETEROGENEOUS