

# Sorting and grouping materials

The objects around us are made from materials. Objects can be made of wood, stone, plastic or glass. Our clothes are made from fabrics like wool and cotton.

In this topic we will learn:

- that objects can be made of different materials
- to name and identify some common materials
- that materials can be sorted in different ways
- that materials have different properties and how to describe them
- how to use a key to identify and group objects made of different materials.



Have you noticed that some materials feel different to others? Which senses help us to find out what a material is like?



Here are some key words to help you

- material
- wood
- plastic
- metal
- sort
- hard
- rough
- smooth
- shiny



Choose two key words from the box above. Write or draw what they mean.

1 Circle the box made of **wood**.



2 a) Name **three** parts of a house that can be made of wood.

1. \_\_\_\_\_ 2. \_\_\_\_\_

3. \_\_\_\_\_

b) Write **six** other things that can be made from wood.

1. \_\_\_\_\_ 2. \_\_\_\_\_

3. \_\_\_\_\_ 4. \_\_\_\_\_

5. \_\_\_\_\_ 6. \_\_\_\_\_

3 Which parts of a tree does wood come from?

\_\_\_\_\_ and \_\_\_\_\_

4 Suggest why humans should keep planting trees.

\_\_\_\_\_  
\_\_\_\_\_

5 Look at this pile of wood.



a) What do you think it is piled up for?

\_\_\_\_\_

b) What can you see on the outside of all these pieces of wood?

\_\_\_\_\_

6 This piece of wood is very old.



What can you see that shows it is very old?

\_\_\_\_\_  
\_\_\_\_\_

# Stone and glass

1 a) Circle **two** objects made of **stone**.



b) List **two** more things that can be made of stone.

1. \_\_\_\_\_ 2. \_\_\_\_\_

2 List **four** things at home or at school that are made of **glass**.

1. \_\_\_\_\_ 2. \_\_\_\_\_  
3. \_\_\_\_\_ 4. \_\_\_\_\_

3 a) Circle the **beaker**.



b) Who uses objects like this in their job?

\_\_\_\_\_

c) What material are these objects made of?

\_\_\_\_\_

4 This horse's head is made of marble.



It is very old.

a) What can you see that shows it is very old?

\_\_\_\_\_

b) What type of material is marble?

\_\_\_\_\_

c) Why is marble a good material to use for making this head?

\_\_\_\_\_

- 1 a) Circle **one** word to describe this wool scarf.

hard    cool    soft    shiny



- b) In what sort of weather do people wear a **wool** scarf?

\_\_\_\_\_

- c) Name **two** different animals we get wool from.

\_\_\_\_\_ and \_\_\_\_\_

- 2 Draw one tick (✓) in each row of the table to show the texture of the fabrics.

Fabric	Rough?	Smooth?
		
		

- 3 a) Write **cotton** under the ball made of cotton.  
b) Write **wool** under the ball made of wool.



- c) Where do we get cotton from?

\_\_\_\_\_

- d) Name **four** things that can be made from cotton.

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

- 1 a) Write **plastic** above the chair made of plastic.
- b) Write **wood** above the chair made of wood.



- c) Write **fabric** above a chair with fabric cushions.
  - d) Circle the **softest** chair.
- 2 a) What is most plastic made from?  
\_\_\_\_\_

b) Describe the texture of plastic.  
\_\_\_\_\_

c) What colour are plastic objects?  
\_\_\_\_\_

- 3 a) Circle **two** plastic bottles.



- b) Write **one** reason why plastic is **good** for making bottles and **one** reason why it is **not good**.

Plastic bottles are **good** because  
\_\_\_\_\_

Plastic bottles are **not good** because  
\_\_\_\_\_

- c) Draw some other objects that are made of plastic.



1 Draw lines to match each material with something that it is used to make.

metal



fabric



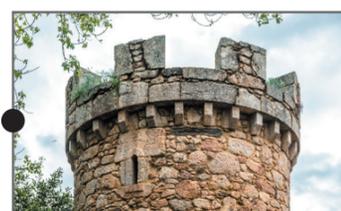
wood



stone



plastic



2 Circle **two** words that best describe this metal foil.



hard    rough    shiny    dull    smooth

3 Put **one** or **two** ticks (✓) in each row of the table to show whether the object is **rough** or **made of metal** or **both**.

Object	Rough?	Metal?
		
		
		

# Sorting materials

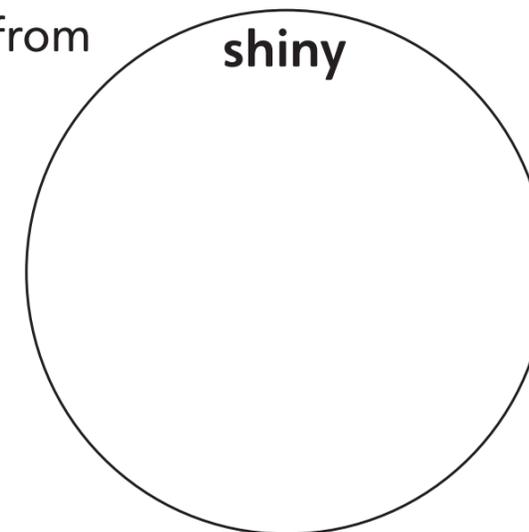
- 1 Put **one, two** or **three** ticks (✓) in **each row** of the table to show whether the object is **soft, green** or **shiny**.

The first one has been done for you.

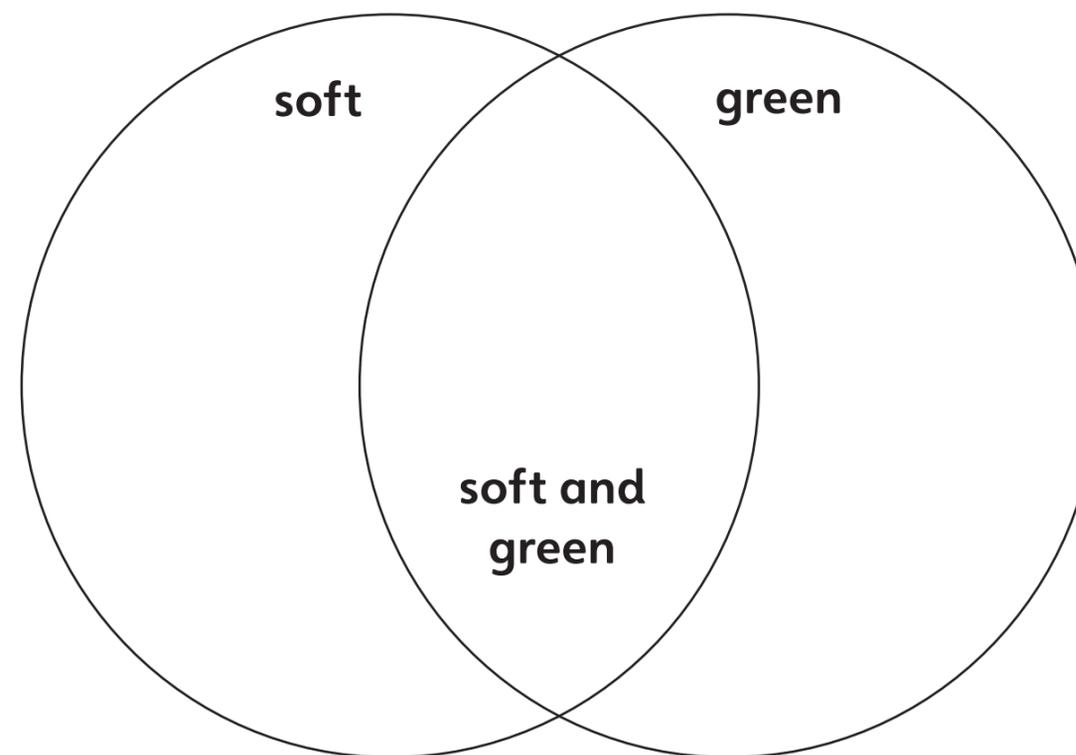
Object	Soft?	Green?	Shiny?
	✓	✓	
			
			
			
			

Use these objects again on the next page.

- 2 a) Draw shiny objects from the table in here.  
 b) Draw **one** more shiny object.



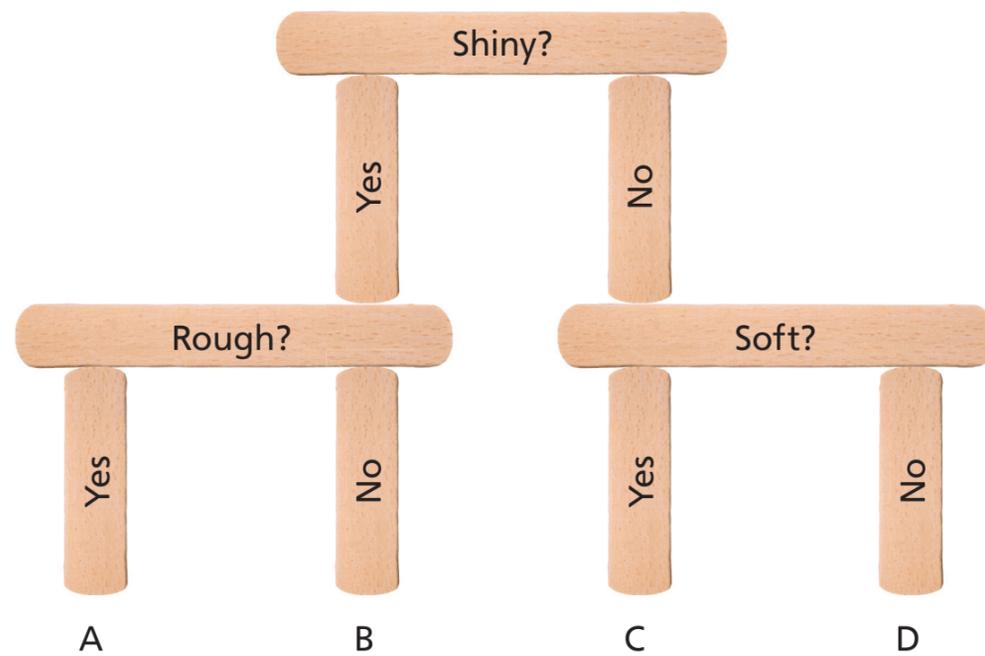
- 3 a) Draw the soft objects and the green objects in here.



- b) Draw **one** more object in each section.

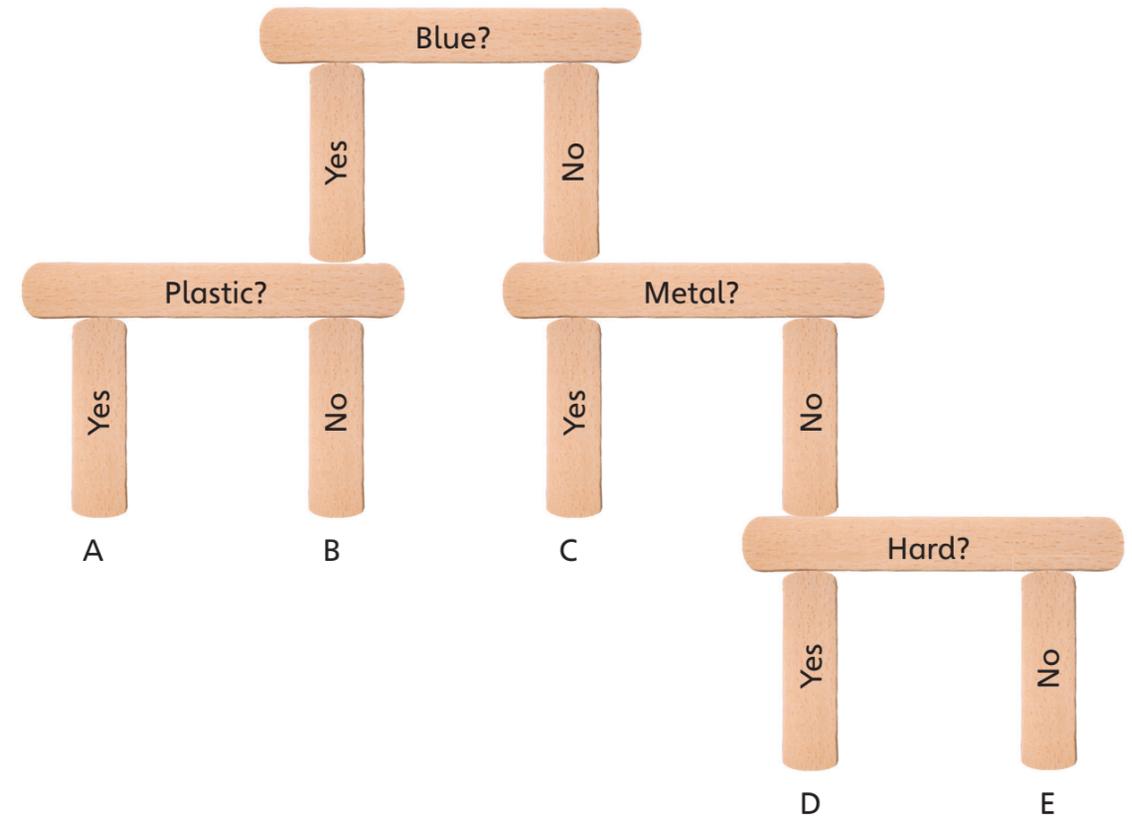
# Using a key for materials

1 Use the key to write the correct letter under each object.



2 Use the key to write the correct letter under each object.



# What have I learned?

- 1 I know that objects can be made of different materials. I can name and identify some common materials.

I can list six different materials that things can be made of.

- 1. \_\_\_\_\_ 2. \_\_\_\_\_
- 3. \_\_\_\_\_ 4. \_\_\_\_\_
- 5. \_\_\_\_\_ 6. \_\_\_\_\_

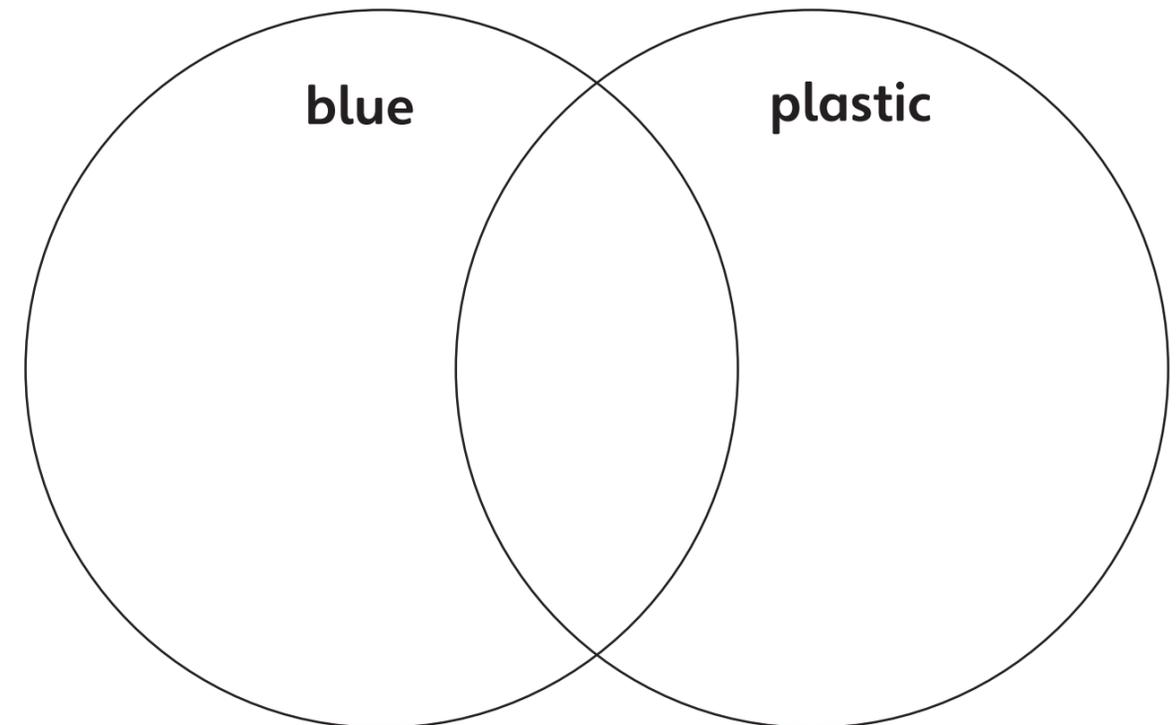
- 2 I understand that materials have different properties, and I can describe them.

I can write one or more words to describe three materials.

material	word or words to describe it
_____	_____
_____	_____
_____	_____

- 3 I understand that materials can be sorted in different ways.

I know this because I can draw some objects in these circles.



- 4 I can use a key to identify and group objects made of different materials.

I know this because I can answer yes or \_\_\_\_\_ to questions about the properties of different materials.