



y5

Properties and Changes of Materials

I can describe and compare materials based on their properties.

Science

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Grammarsaurus

Last Lesson Recap

What do the words 'solid, liquid and gas' mean?

Talk with your partner before we discuss as a class.



Materials

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How many different materials can you think of?

Write as many as you can in 1 minute.



Materials

How many different materials can you think of?

Write as many as you can in 1 minute.

Brick, stone, fabric, glass, plastic, rubber, metal, wood

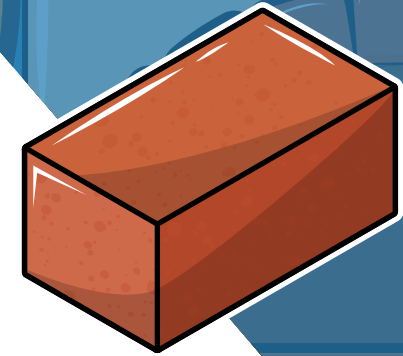
How many more did you think of?



Materials

We use different materials for different jobs based on their **properties**.

Bricks are used to build houses because they are strong, hard and **durable**.



Definition Corner

Properties – a quality or characteristic of something.

Durable – able to withstand wear, pressure, or damage; hard-wearing.



Houses used to be built from wood. Why do you think we don't do this anymore?

Materials

We use different materials for different jobs based on their **properties**.

Rubber is used for tyres on vehicles because rubber is strong, **flexible** and durable.



Definition Corner

Flexible – able to bend easily without breaking.

Durable – able to withstand wear, pressure, or damage; hard-wearing.

Why do you think tyres have to be flexible?



Independent Activity

There are lots of different words that we can use to describe different materials.

Can you find the definitions for these words?

Use a dictionary to help.



Activity

Word to describe properties of materials	Definition
durable	
flexible	
absorbent	
waterproof	
magnetic	

Feely Bag

Put your hand in the feely bag and choose a material.

Can you describe it using some of the words we have learnt today?

