

A decorative border surrounds the central text. At the top left are several books stacked together. To their right are three balloons in red, purple, and yellow. Further right is a red umbrella. On the right side, there are two yellow gloves. At the bottom left is a brown wooden house with a chimney. At the bottom right is a brick fireplace with a fire burning inside. At the bottom center are several pieces of light blue ice.

# Properties and Changes of Materials

**I can describe and compare materials  
based on their properties.**



# Last Lesson Recap



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



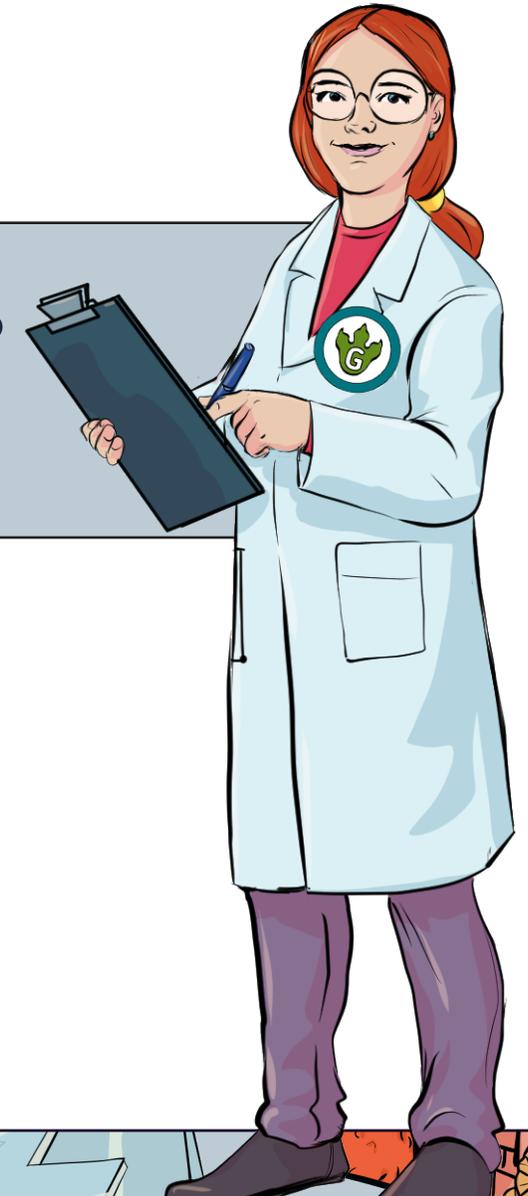
Talk with your partner before  
we discuss it as a class.



# Materials



How many different **materials** can you think of?  
Write as many as you can in 1 minute.



How many did you think of?



# Materials



How many different **materials** can you think of?  
Write as many as you can in 1 minute.



How many did you think of?

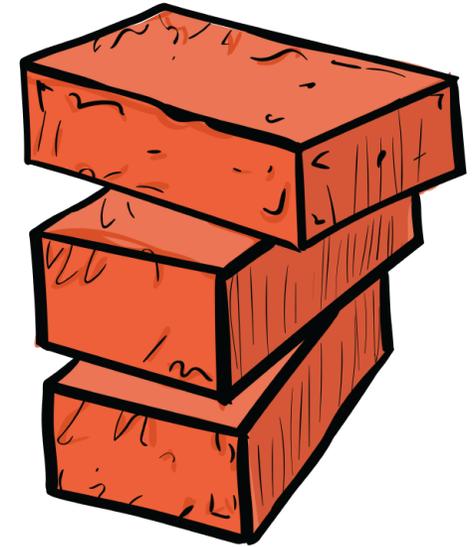
brick, stone, fabric, glass, plastic, rubber, metal, wood



# Materials



Houses can be built from **wood**.  
What other **materials** are houses built from?



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



# Materials



What are **car tyres** made from?  
What **properties** of this **material** make it suitable to make **tyres** with?

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**



# 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	
permeable	
conductive	
transparent	
stretchy	

# 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?

