



# Everyday Materials

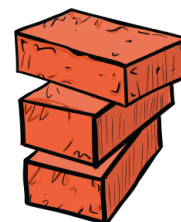
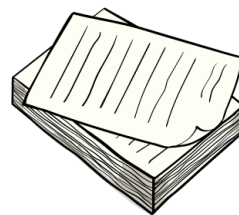
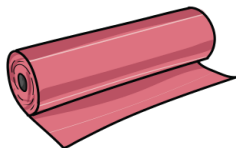
**I can investigate the properties of  
different materials.**



[www.grammarsaurus.co.uk](http://www.grammarsaurus.co.uk)

# Thinking Time...

Can you name **these objects**? What **material** are they made from?

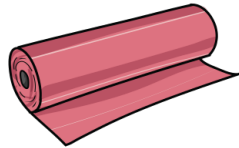


# Thinking Time...

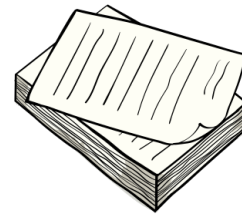
Can you name **these objects**? What **material** are they made from?



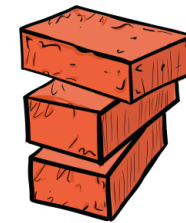
rock



fabric



paper



brick



wood



rubber



glass

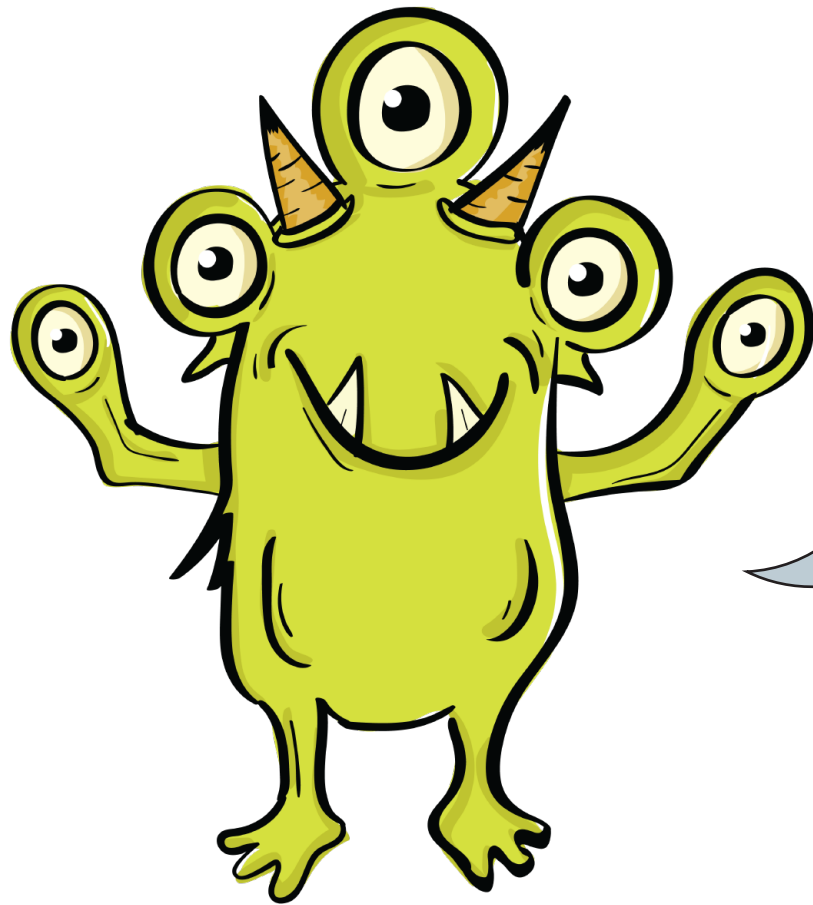


plastic



metal





Hi! It's me again, Blot from the Planet Glog!  
It never rains on my planet but it rains a lot  
here on Planet Earth!

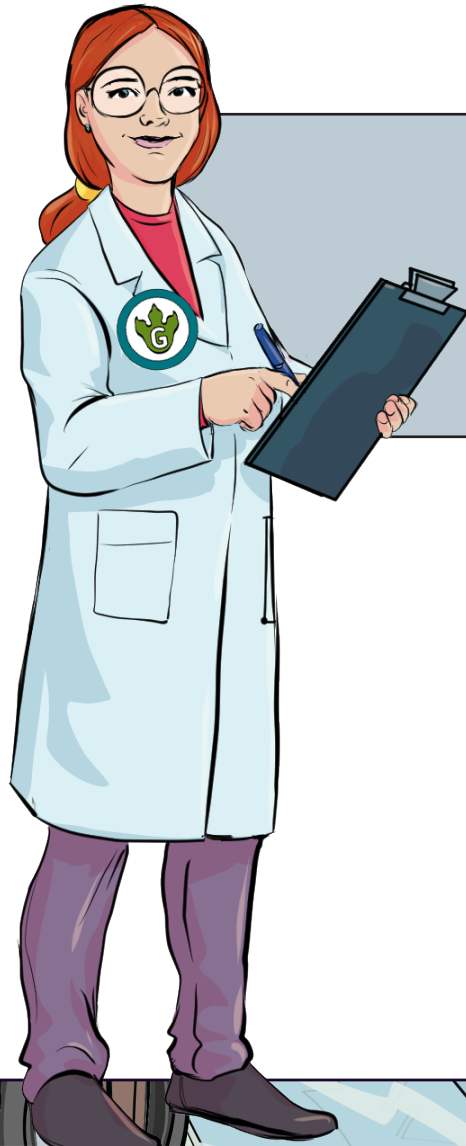
I need something that will keep me dry.

Can you help me find the best material  
from which to make an umbrella?

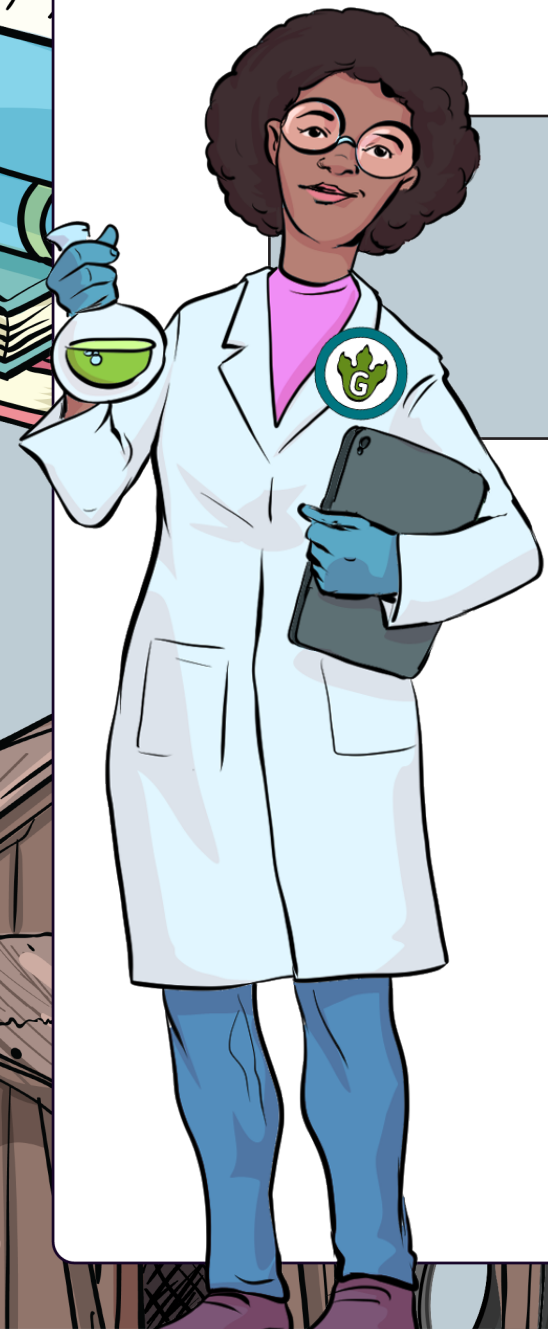


# Thinking Time...

What is an **umbrella** made of?







What is an **umbrella** made of?

It needs to keep you dry.  
It can't be too heavy.  
It needs to be quite strong.

### Question time

Why do we not want a **heavy umbrella**?



First we need to see which materials are **waterproof** and which are not.

Then we need to investigate which are **heavy** and which are **light**.

Finally we need to see which ones are **strong** and which are **fragile**.



### Question time

How can we do this?



First we need to see which materials are **waterproof** and which are not. We could pour **water** on each and see what happens. If it is **waterproof** the water will run off.

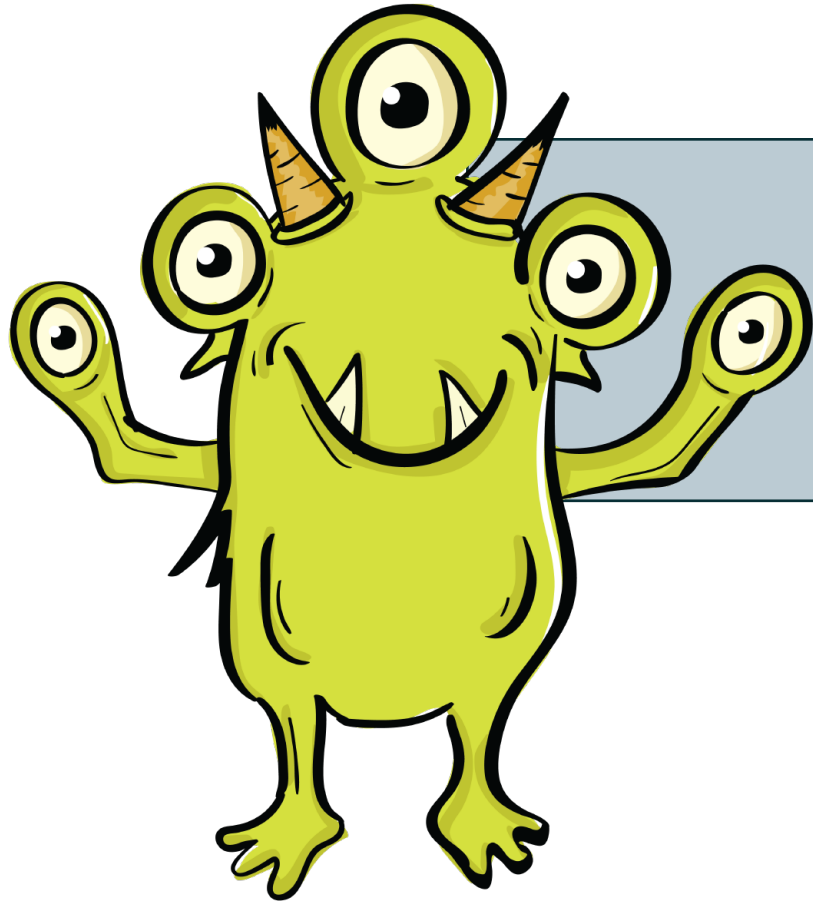
Then we need to investigate which are **heavy** and which are **light**. We could weigh them or we could pick them up to see which ones are the **lightest**.

Finally we need to see which ones are **strong** and which are **fragile**. We could try to break/tear each material to see which **breaks the easiest**.





# Independent Activity



Blot needs our help!

He wants to make an umbrella so he doesn't get wet whilst he is still on Earth.

**Can you help Blot find the best material from which to make an umbrella?**



# Challenge



You now have to tell Blot  
what you found out.

From **which material** is it best to  
make an umbrella?

Why have you chosen that **material**?

