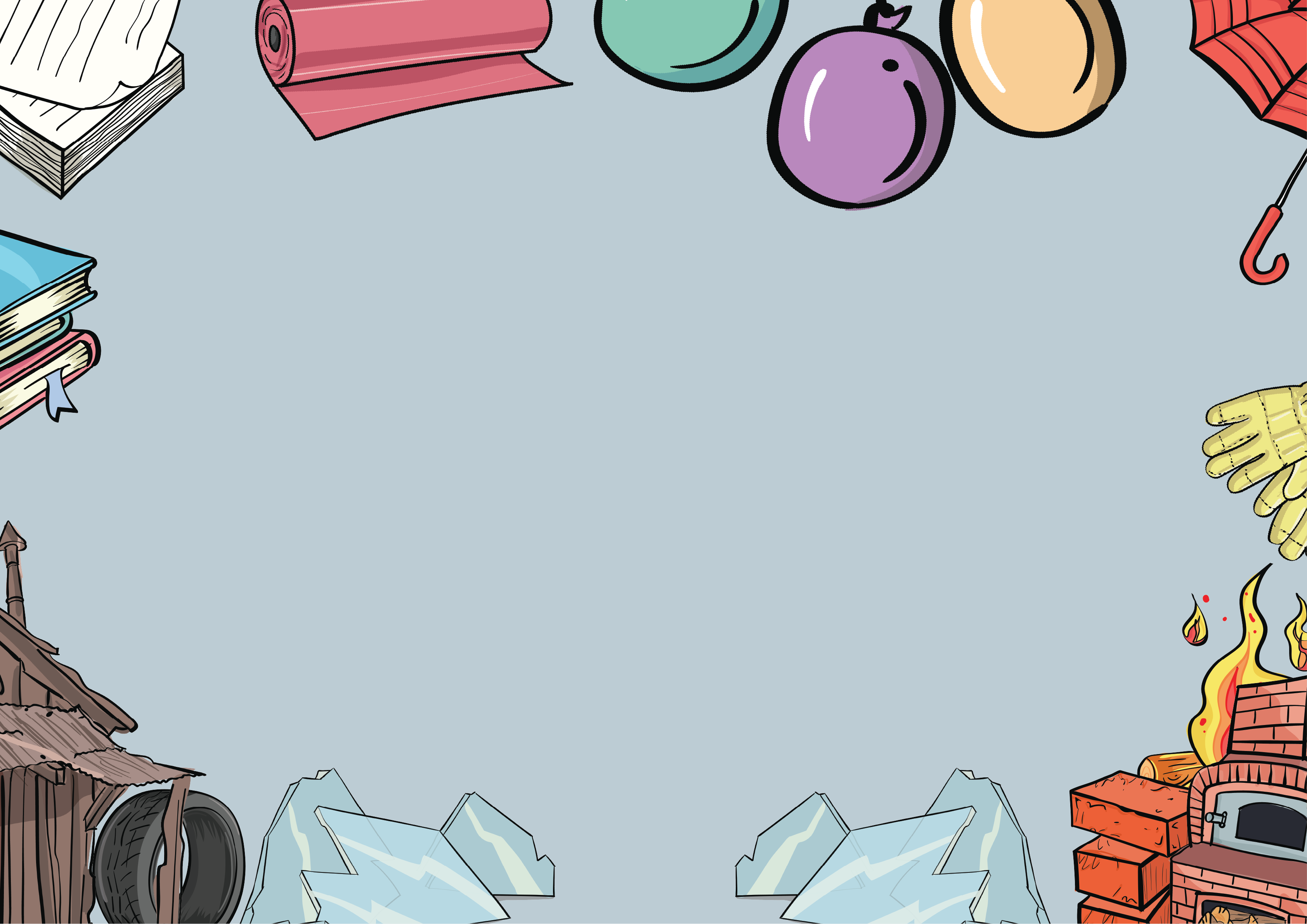
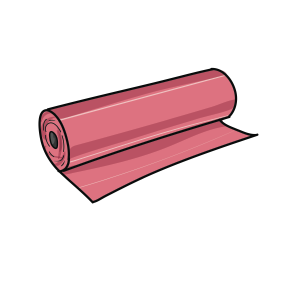
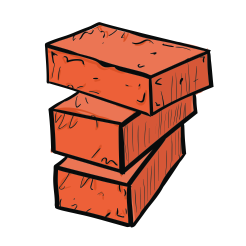
**Materials Knowledge Organiser**

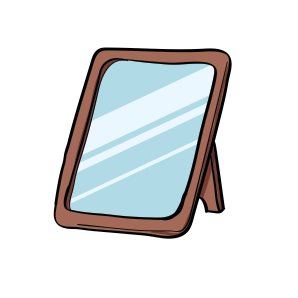
All of these **materials** are fantastic. They are each perfectly suited to make **certain objects.**

Depending on the task, some materials **are better suited** than others.



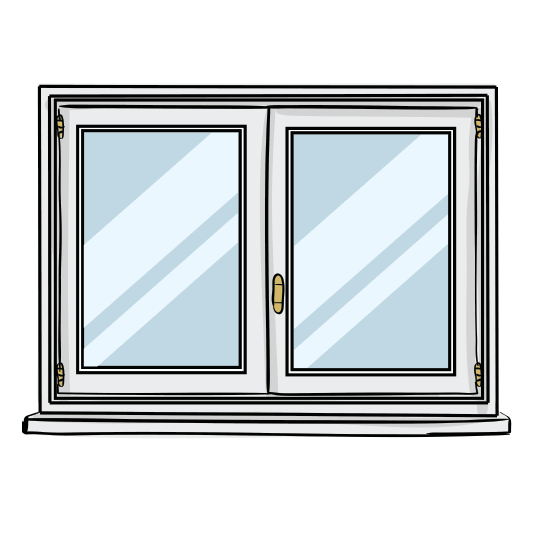


**rock fabric paper brick wood**

****

****

**rubber glass plastic metal**



This is **a window.** Windows are made from **glass.** Glass is see-through which makes it a good material for the window as it lets **light** into your house and allows you to see out. The glass also stops **rain** and wind entering your **house.**



This is a pair of **wellington boots.** They are made from **rubber.**

Rubber is **strong, waterproof** and **bendy** which makes it a good material for wellies. They will be **comfy** on your feet, keep your feet **dry** and not damage easily.



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**Changing the shape of materials Key Vocabulary**

We can change the shape of some **objects** by —

**squashing** them **bending** them **twisting** them

**and stretching** them.

It is useful to be able to **change the shape** of some materials.

Fabric needs to be stretchy so that clothes fit our bodies. Imagine if socks weren’t **stretchy!**

Some materials cannot be changed which is also useful.

Brick needs to be **strong and firm.** Imagine if bricks for houses were **bendy!**

**brick -** a hard, strong and rough material used to build houses

**fabric -** a soft material used to make clothes

**glass -** a hard but fragile material that is usually transparent and is used to make windows

**material -** the matter from which an object is made

**metal -** a material used to make cars, cutlery and some musical instruments; it is usually strong, hard and shiny

**paper -** a material that can easily tear used to make books and wrapping paper

**plastic -** a material used to make bottles, toys and food packaging; it can be strong, but some plastics can

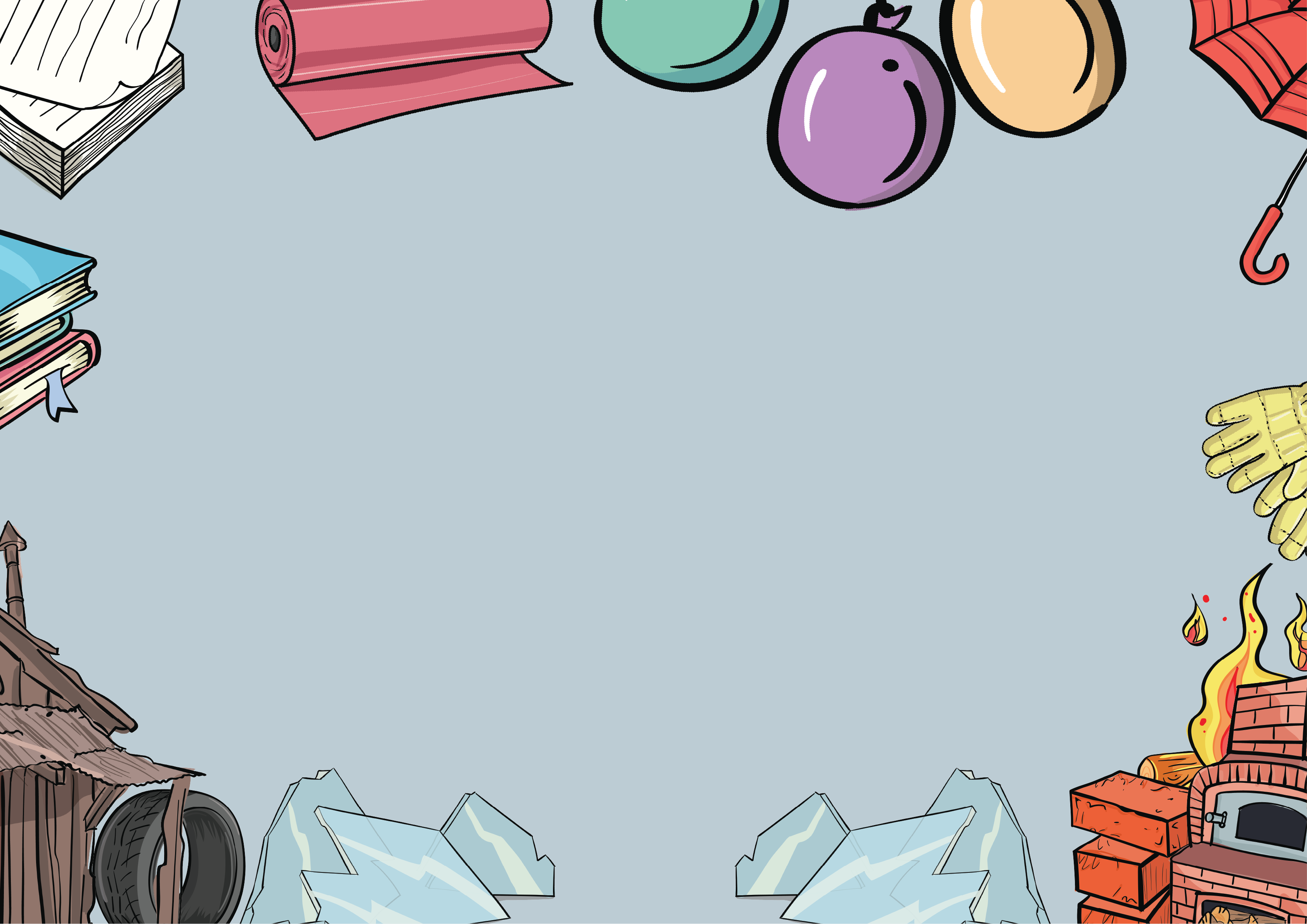
also be squashed

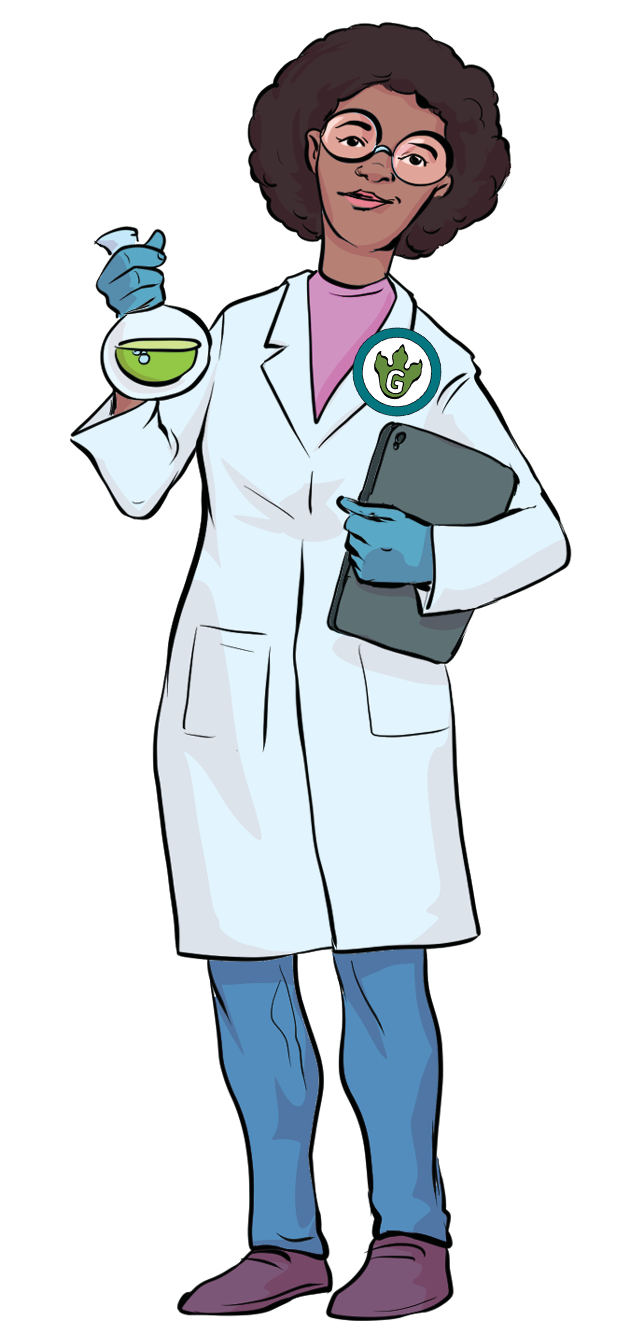
**properties -** a characteristic of something

**rock -** a strong and hard material used to make roof tiles

**rubber -** a bendy material used to make car tyres and wellington boots

**wood -** a material made from trees that is used to make furniture





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