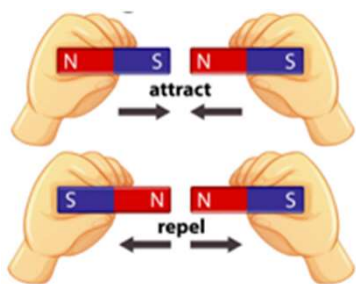
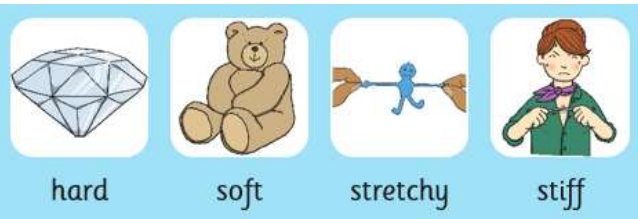


What I already know

Year 5 How can science help the vulnerable?

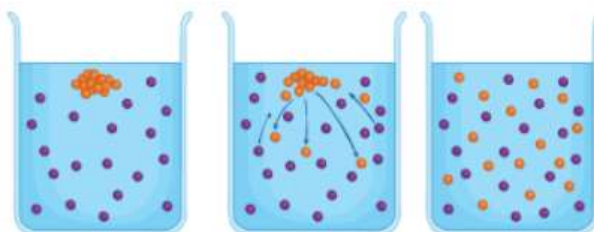
What I will learn in this enquiry

Properties of materials



A magnet can **attract** (pull) or **repel** (push) certain materials.

Dissolving



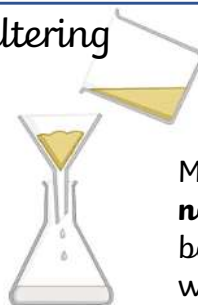
Some substances (like sugar and salt) will dissolve when put in water. The particles of the substance break apart and spread through the water. It looks like they disappear but they can still be tasted and separated again.



When the water **evaporates** from the mixture the dissolved substance will form crystals.



Filtering



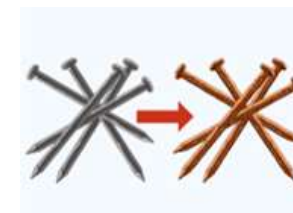
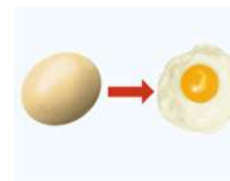
Materials that **do not dissolve** can be separated from water by filtering.

Reversible or irreversible?



Reversible change / Physical change

The change is not permanent, materials can be returned to their original state.



Irreversible change / Chemical change

The change is permanent, materials cannot be returned to their original state. They will remain in their new state.

Chemical change

Signs of chemical change:

- colour change
- smells given off
- heat needed or given off
- bubbles

