

What I might already know:

The shapes of some solid objects made from some materials can be changed by squashing, bending, twisting and stretching

**KEY QUESTIONS:**

What are the three states of matter?

Do gases weigh anything?

What are the changes of state?

**What we will be learning:**



**Temperature**

A measure of how hot or cold it is.  
Measured with a thermometer in degrees.

**Particles**

The tiny pieces of matter that make up everything in the universe.



The states of matter

**Solid**

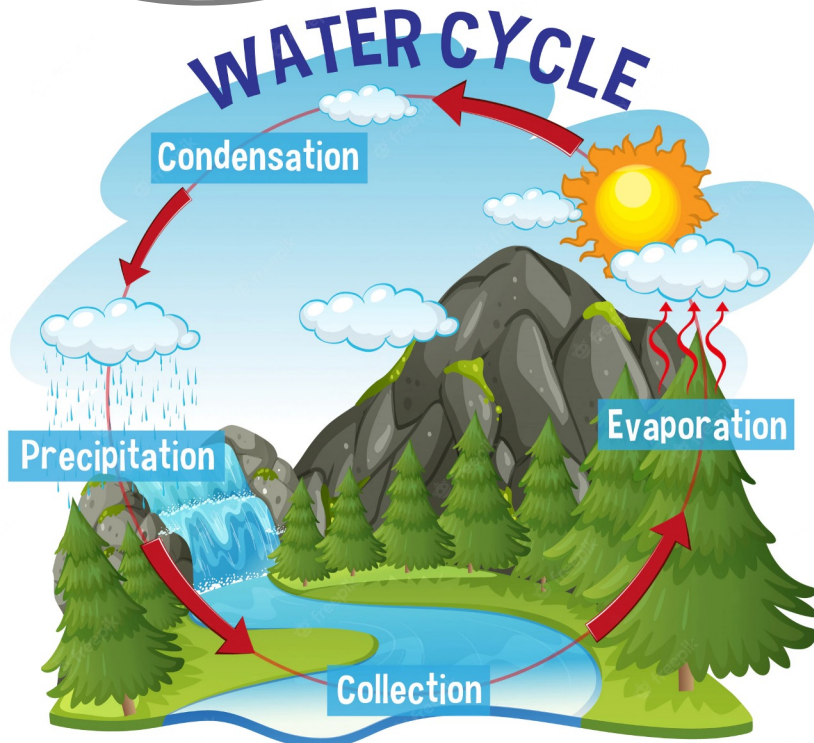
A solid is rigid and keeps its shape. It does not spread or flow.

**Liquid**

A liquid will take the shape of its container. It can be poured and flows.

**Gas**

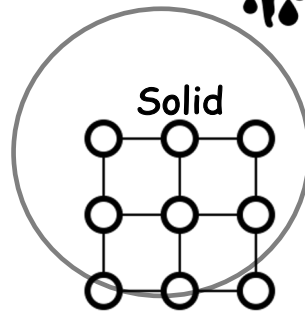
A gas will spread out and does not have a fixed shape. It is often invisible.



Changing states

**Melts**

A solid is heated and changes into a liquid



**Liquid**

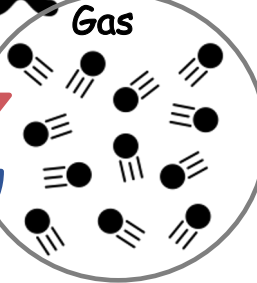


**Evaporates**

A liquid is heated and changes into a gas



**Gas**



**Freezes**

A liquid is cooled and changes to a solid



**Condenses**

A gas is cooled and turns back into a liquid.

