

Year 4: States of Matter Knowledge Mat

Subject Specific Vocabulary

State

The physical condition of something – how it is made up

Temperature

The measure of the amount of heat in an object. Temperature can be measured using a thermometer or by touch

Heated

Made warmer

Cooled

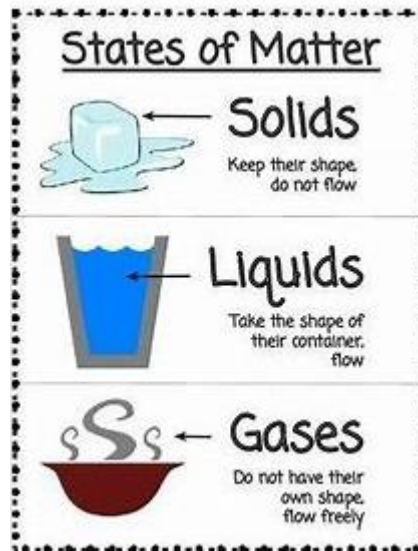
Made less hot

Evaporation

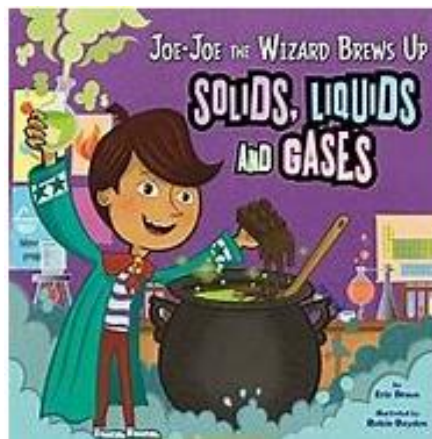
The process when liquid is heated and turns into vapour or gas

Condensation

The process when a gas is cooled and turns into liquid



Book to read



By the end of the topic you will be able to:

- . Compare and group things together, according to whether they are solids, liquids or gases
- . Observe that some materials change state when they are cooled, and measure or research the temperature at which this happens in degrees Celsius ($^{\circ}\text{C}$)
- . Identify the part played by evaporation and condensation in the water cycle and associate the rate of evaporation with temperature

Sticky Knowledge about States of Matter

Matter is all around us. **Matter** is the air you are breathing, the clothes you wear, cool drinks -literally everything!

Ice is a **solid** but when it melts it becomes a **liquid**.

You are made of **matter** too.

Atoms are tiny, tiny particles or building blocks which make up **substance**. Everything you see or imagine is made up of something.