

Year 4 – States of Matter

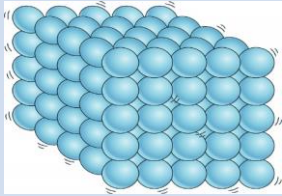
Solids

Solids keep their shape well and don't flow or spread out on their own.

Solids always take up the same amount of space.

Particles sit closely together.

They move a little but keep in the same position.



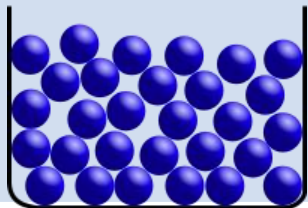
Liquids

Liquids are runny and they flow downwards

Liquids take up the shape of the container

The surface of a liquid in a container stays level.

Particles in liquids are not so tightly packed and move a little



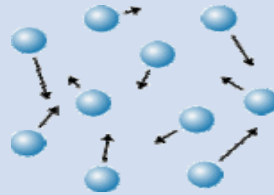
Gases

A gas has no particular shape

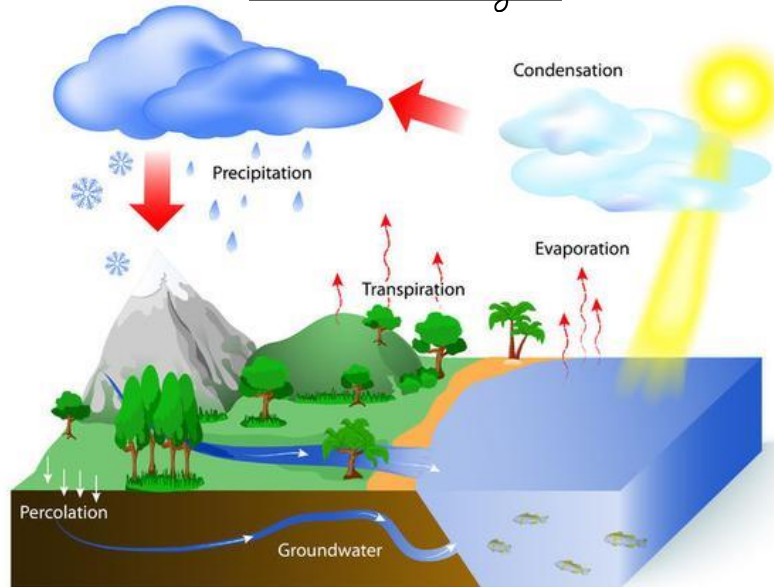
Gases move all over the place all of the time.

Most gases are invisible

Gas particles are all around us spreading into any empty space.



The Water Cycle



Vocabulary

solids	Solids keep their shape well and don't flow or spread out on their own
liquids	They aren't firm and they flow and can be poured easily
gases	Has no particular shape and can drift easily
evaporation	The change that happens when a liquid turns into a gas
condensation	The change that happens when a gas turns into a liquid
Water cycle	The way water moves around the planet by changing state
temperature	Is a measure of how hot or cold something is
Degrees Celsius	The unit by which temperature is measured
particles	Tiny bits of matter that make up everything in the universe
condensed	The process of a gas turning into a liquid
thermometer	A piece of equipment that measures temperature
Water vapour	When water heats up it evaporates to form water vapour.