

# Year 4 – States of Matter

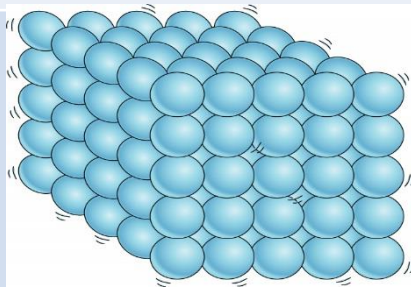
## Solids

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.**



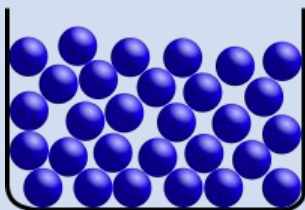
## Liquids

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



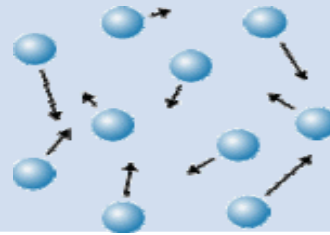
## Gases

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.



## Vocabulary Dozen

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

## The Water Cycle

