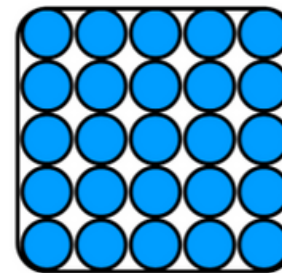


States of Matter: What do scientists know about states of matter? (Year 4)

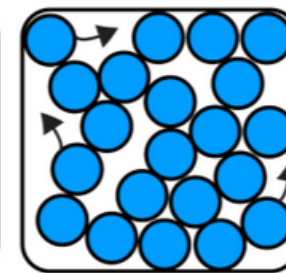


Change of state	When a material changes from one state to another
Melting	A solid changing to a liquid
Freezing	A liquid changing into a solid
Melting point	The temperature at which a solid starts to melt and become a liquid
Boiling point	The temperature at which a liquid starts to boil and becomes a gas
Evaporation	When liquid changes into gas
Condensation	When a gas turns into a liquid caused by cooling
Precipitation	Water falling from the sky as rain, snow, sleet or hail



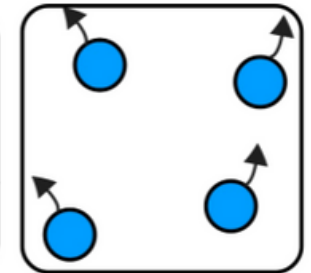
Solid

- particles very close together
- fixed shape
- fixed volume unless you exert a force
- can be soft or squishy



Liquid

- particles can move around each other
- no fixed shape
- no fixed volume
- fixed volume

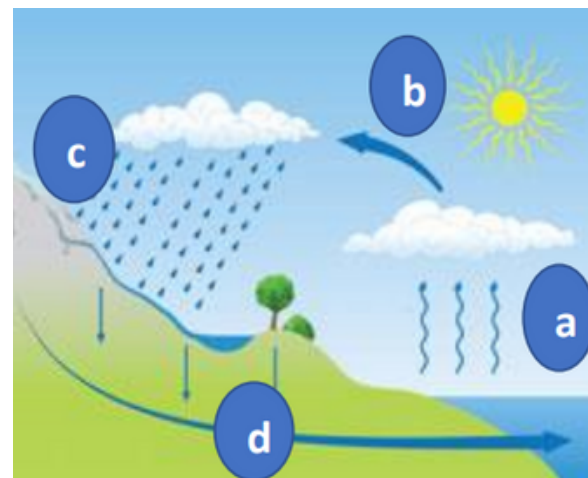


Gas

- particles spread out
- no fixed shape
- no fixed volume
- can be squashed
- Do have weight

The Water Cycle

a	Evaporation
b	Condensation
c	Precipitation
d	collection



Changing state

