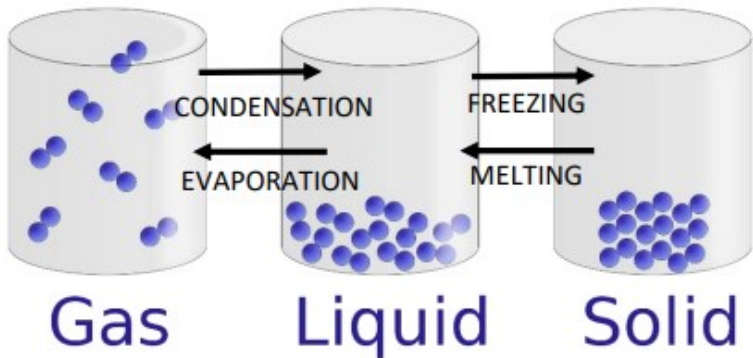
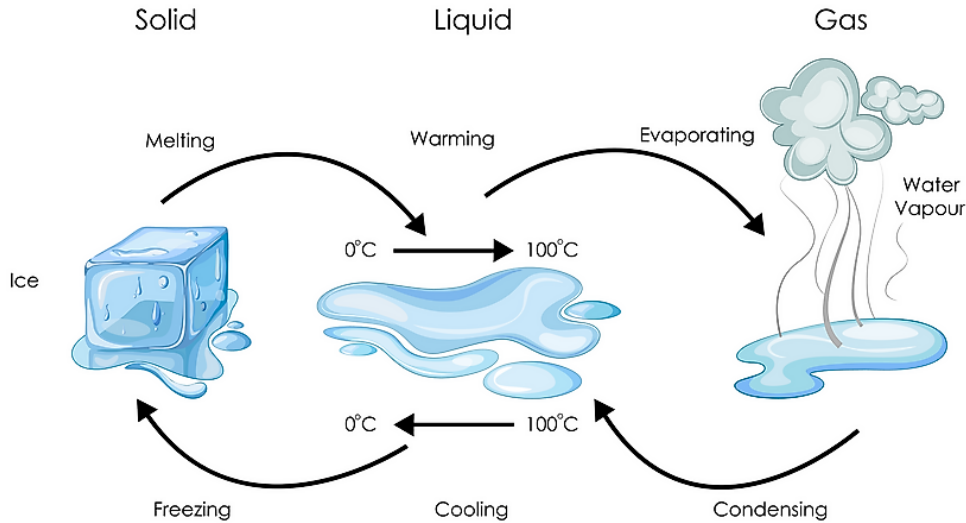


States of Matter Knowledge Organiser Year 3/4

Change of State



GAS: particles far apart and randomly arranged / move around
LIQUID: particles close but randomly arranged / move around
SOLID: particles very close together / vibrate around a fixed position

Vocabulary

Substances- A particular type of matter

Molecules- smallest part with a substance can be

Particles- basic component of the physical world

Vibrate- to shake quickly

Expand- to get larger

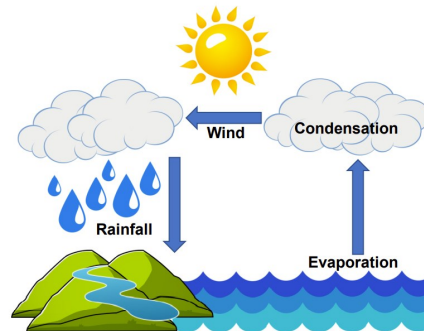
Contract- to get smaller

Increase- to get larger

Decrease- to get smaller

	Precipitation	Water droplets fall from the atmosphere in the form of rain, sleet, snow or hail.
	Condensation	The cooling of water in the atmosphere changing gas to a liquid.
	Evaporation	The process that occurs when water changes from a liquid to a gas caused by heat.

Where puddles go?



HOW TO MAKE OOBLECK

Oobleck is a non-Newtonian fluid. It flows like a liquid until you apply a shear stress, like squeezing or punching it. Then it acts like a solid.

- 2 cups corn starch
- 1 cup water
- food coloring

Solid?