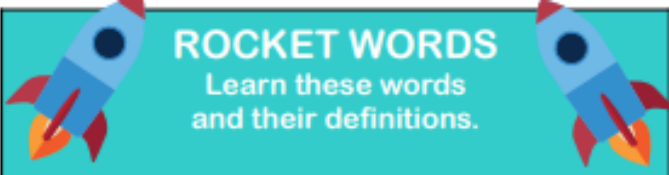
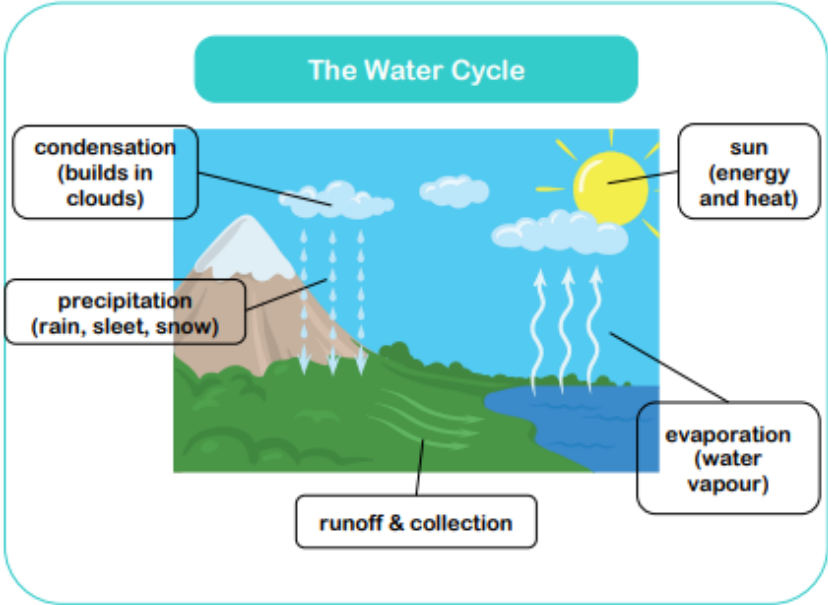


Knowledge Organiser
Unit: **States of Matter**

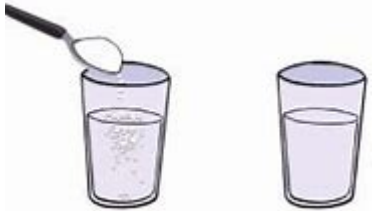


Key Word	Definition
water cycle	The processes that water takes between the earth's oceans, land and atmosphere.
molecule	A group of atoms bonded together that can take part in a chemical reaction.
solute	Something which is dissolved in a solution.
solvent	The ability to dissolve other substances.
evaporation	The process of liquid turning to vapour.
water vapour	The form water takes when it evaporates into a gas in the air.
condensation	The conversion of a vapour or gas to a liquid, often collects as droplets on a cold surface.
distillation	The action of purifying a liquid by heating and cooling.

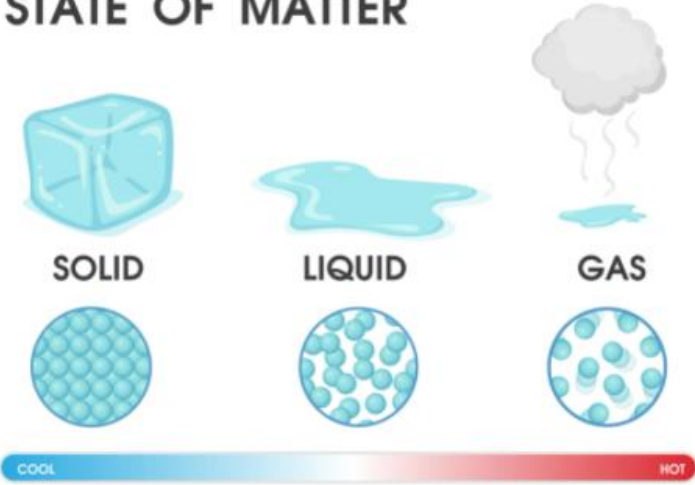


Dissolving

- The item being dissolved is the solute.
- The substance dissolving it is called the solvent.
- When the solvent can dissolve no more of the solute, it is called 'saturation'.



STATE OF MATTER



Diluting

- This process reduces the concentration of a solute in a solution.
- Takes place by adding more of the solvent to the solute.
- A good example of this is adding more water to orange squash.

A 'mixture' is something that is physically joined together but can be separated again.

Mixtures can be separated in many ways – such as evaporation, distillation, filtering and absorption.