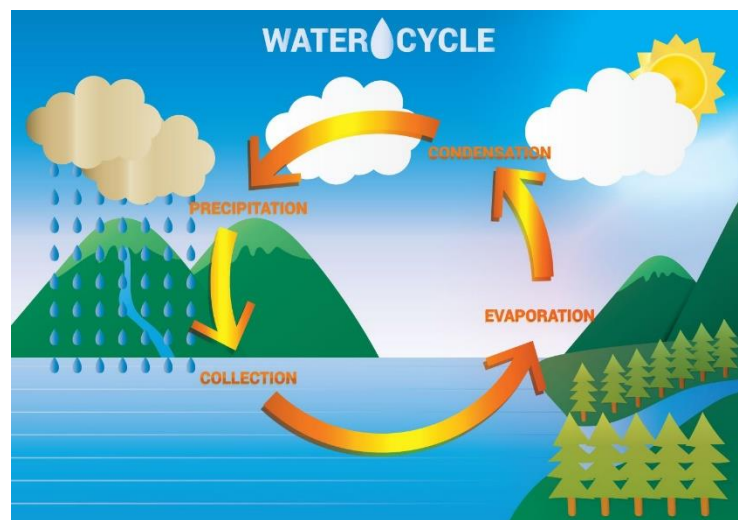


# Could we survive without water?

Key Vocabulary	
<b>dam</b>	A barrier that blocks off flowing water.
<b>fertiliser</b>	A substance that helps make plants grow.
<b>particles</b>	Everything is made up of matter. <b>Particles</b> are tiny bits of matter.
<b>pesticides</b>	A substance used to destroy pests such as small animals, insects and weeds.
<b>pollution</b>	Anything that is introduced into a habitat which has a harmful effect on plants and animals living there.
<b>reservoir</b>	A man made lake that is used to store water.
<b>water vapour</b>	Water that is in the form of a gas.



Pollution
<ul style="list-style-type: none"> <li>Chemicals – can poison animals.</li> <li>Litter – can be ingested by animals or trap them.</li> <li><b>Fertilisers</b> – can cause a lack of oxygen and kill animals.</li> </ul>
Reducing Pollution
<ul style="list-style-type: none"> <li>Be careful what you throw down the sink or toilet.</li> <li>Don't throw litter into lakes, rivers or oceans.</li> <li>Use environmentally-friendly household cleaning products.</li> <li>Have more plants in the garden to stop contaminated water running into the water supply.</li> <li>Don't over use <b>fertilisers</b> or <b>pesticides</b>.</li> </ul>
Marine Protection and Conservation Areas
<ul style="list-style-type: none"> <li>Just under 25% of the UK coastal waters are protected.</li> <li>Over 6,500 species of plants and animals are found here.</li> </ul>

## Key Vocabulary

**Temperature** – how hot or cold something is. Measured in degrees Celsius (°C).

**Particle** – a tiny amount of something. You can't see them with your eyes!

**Melting** – the process of a solid **heating** and changing into a liquid.

**Evaporation** – the process of a liquid **heating** and changing into a gas.

**Condensation** – the process of a gas **cooling** and changing into a liquid.

**Freezing** – the process of a liquid **cooling** and changing into a solid.

**Precipitation** – When water or snow fall from a cloud

Flooding			
Fluvial	Pluvial	Coastal	Plumbing
Lots of rainfall causing rivers to burst their banks.	Heavy rainfall cannot drain away quickly enough.	High tides and storms.	Broken pipes in buildings.
Flooding can be prevented in some areas by building <b>dams</b> and flood barriers. However, blocking a river at one location can cause flooding further up or downstream.			

Treating Water				
	→		→	
Water is stored in <b>reservoirs</b> to allow solids to settle at the bottom.	Chemicals are added to help remove small <b>particles</b> .	Water passes through gravel and carbon to filter out tiny <b>particles</b> .	Chlorine is added to kill off bacteria.	Water is clean and safe to drink.