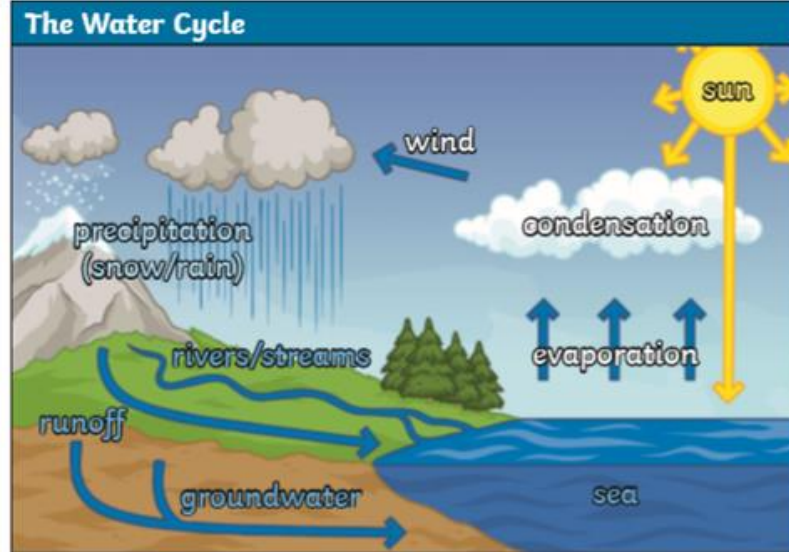






## Key Vocabulary




Dam	A barrier that blocks off flowing water.
Fertiliser	A substance that helps make plants grow.
Particles	Everything is made of matter. Particles are tiny bits of matter.
Pesticides	A substance used to destroy pests, such as small animals, insects and weeds.
Pollution	Anything that is introduced into a habitat which has a harmful effect on plants and animals living there.
Reservoir	A manmade lake that is used to store water.
Water vapour	Water that is in the form of gas.


Clouds form when warm, moist air is cooled. When it is cooled, it condenses into tiny water droplets which appear as clouds.







Heat from the sun evaporates water, which rises, condenses in the cool air and then falls back down to earth.

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 dams and flood barriers. However, blocking a river at one location can cause flooding further up or downstream.			

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

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>Fertilisers – can cause a lack of oxygen and kill animals.</li> </ul>


How to help
Encourage your child to observe the water cycle in their local environment.
Encourage your child through walk to identify different sources of water, outside and inside the home.
Support pupils to identify states of matter within their home environment.

Changing State			
Evaporation	Condensation	Melting	Freezing
Evaporation occurs when a liquid changes into a gas or water vapour. 	Condensation is when a gas cools and changes to a liquid. 	This is when a solid is heated and changes to a liquid. 	Freezing is the process of a liquid cooling and changing to a solid. 

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 fertilisers or pesticides.</li> </ul>