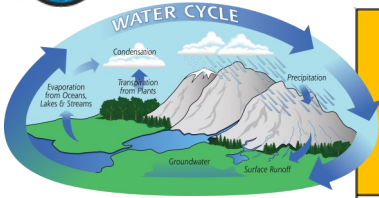




# The Water Cycle: Year 4 Mat



## Sticky Knowledge about the watercycle



### Important Bits

Know the different parts of the water cycle and the process

#### Stages of the water cycle

- 1 The sun heats up rivers, lakes and the sea
- 2 Water evaporates into the air. This is called water vapour.
- 3 The water vapour rises, cools and turns back to water in the form of clouds.
- 4 The droplets in the clouds become too heavy and fall as rain, snow or hail.
- 5 The rain, snow or hail is then collected in rivers that run off to the sea.
- 6 The cycle starts again.

- Water can exist in three forms: liquid (water), Solid (ice) or gas (water vapour).
- About 70% of the Earth is covered in water
- There are underground reservoirs called aquifers.
- Some water in the ground may stay there for thousands of years.
- Water can be used to create electricity through a hydro-electric powerstation.
- Humans are made up of about 75% water.
- 97% of water is in the ocean (this is salty water) 2% is in the ice caps, leaving us only 1% to drink.

### Prior knowledge:

Temperature is a degree of hotness or coldness that can be measured using a thermometer (Year 1)

Liquids can flow and take the shape of their container (Year 2)

### Useful Websites

<https://www.natgeokids.com/uk/discover/science/nature/water-cycle/>

<https://www.theschoolrun.com/what-water-cycle>

### Subject Specific Vocabulary

<b>water vapour</b>	Water that is in the form of a gas
<b>condensation</b>	When water vapour that is around us changes for a gas to water.
<b>precipitation</b>	Any watery substance such as rain, water, snow, hail or sleet that falls to Earth.
<b>evaporation</b>	When liquid changes into a gas, usually when it is heated up.
<b>matter</b>	Any solid, liquid or gas that exists in the universe.
<b>solid</b>	A substance that stays the same shape. It's particles do not move.
<b>liquid</b>	Liquids will flow, they are made up of loosely packed particles.
<b>gas</b>	Gaseous matter is made up of matter that is so loose that it is always moving.
<b>substance</b>	Any solid, liquid, powder or gas is a substance.
<b>particle</b>	These make up matter.