



## Topic: Science

### Cycle A - Spring 2 – Year 3/4 States of matter – Condensation and Evaporation

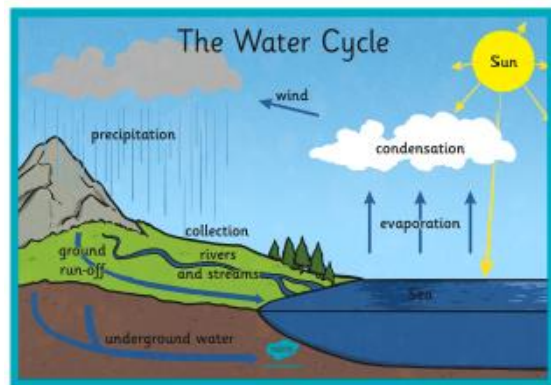
#### New Vocabulary

Precipitation

Rain, snow, sleet,  
or hail that falls to  
or condenses on the  
ground

The Water Cycle

The process in which water  
is constantly recycled.



#### Did you know ...

That water does not disappear?  
Clouds are not made from water vapour or steam?  
Water cannot be made: it is constantly recycled through the water cycle.



#### Career links

Hydrologist - Manages, monitors and protects water and water resources.

#### New Knowledge

Water at the surface of seas and rivers etc is heated by the sun and evaporates into water vapour (a gas). This rises, cools and condenses back into a liquid forming water droplets in the clouds. When the water droplets in the cloud get too heavy, they fall back down as rain, snow, sleet etc. This rainwater runs off the land back into seas and rivers. This is known as **precipitation**. This whole process is the **water cycle** because the whole process repeats.

**Evaporation** happens slowly at lower temperatures.

Evaporation happens more quickly if the temperature is higher, the liquid is spread out or it is windy.

#### Prior Learning

##### In EYFS, pupils learned:

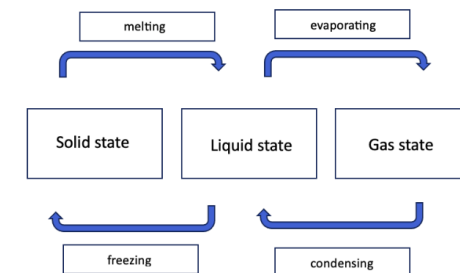
Observed changes in weather across seasons

##### In Year 1/2, pupils:

Noted changes in weather across seasons (seasonal scrapbook)

Measured rainfall

##### Earlier this year, Y3/4 learned:



Vocabulary such as evaporation, condensation, melting and freezing points.

Solids, liquids and gases are all states of matter.

They know the properties of solids, liquids and gases. One example being that a solid is a firm and stable shape (keeps its shape). They can give examples of materials in their solid, liquid or gas state.