

L.O. To understand about the water cycle

We are studying: Geography

We are learning about: Frozen Kingdom



Last lesson we discovered:

Today we will learn:

We need to know this because:

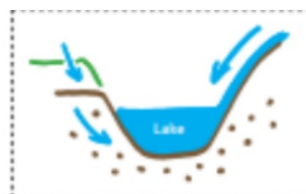
Match the picture cards with the correct word.
Look up the words meanings and write them down.



Evaporation

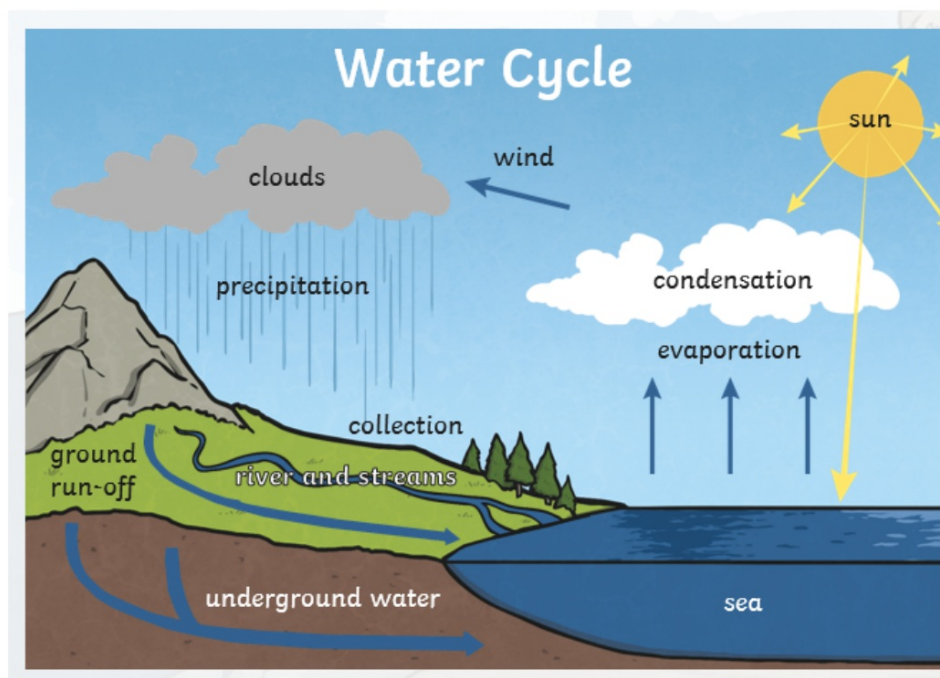
Run off

Precipitation



Condensation

Watch the clip below (link on timetable)



Explain to a family member what happens during the water cycle.

Write an explanation of the water cycle over a double page spread! Use the picture and information to help you but you need to put it into your own words!

How does the water cycle work?

Have you ever wondered where water comes from? Have you ever thought about where water disappears to? Water is an essential part of life. The Earth has a limited amount of water, however, it is continually recycled in a process called the water cycle. Read on to find out more about the water cycle and how water on Earth is constantly moving and changing.

Precipitation

To begin with, precipitation occurs when so much water has formed that the air cannot hold it any longer. The clouds become heavier and as a result, water falls back to the Earth in the form of rain, hail, sleet or snow.

Infiltration

When water falls back to the earth as precipitation, it may fall back in the oceans, lakes, rivers or it may end up on land. When it ends up on land, it soaks into the earth and is stored as ground water. This process is called infiltration.

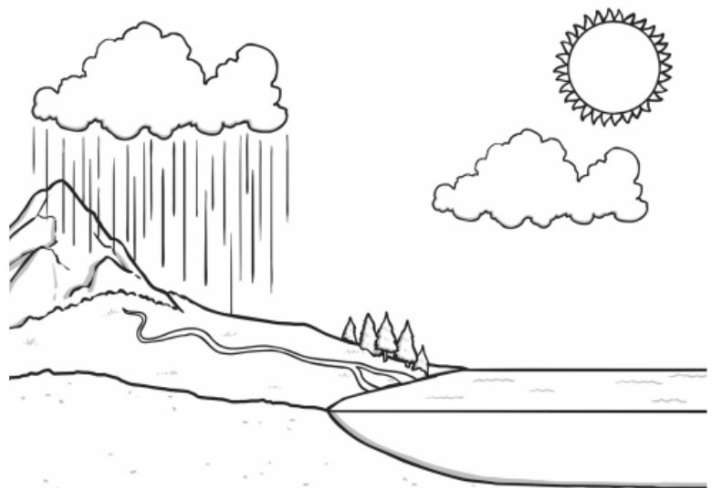
Evaporation

Evaporation is when the sun heats up water in rivers, lakes or oceans and turns it into vapour or steam. The water vapour or steam leaves the river, lake or ocean and goes into the air. This stage is called evaporation.

Condensation

The water vapour cools and this leads to clouds forming. However, the clouds are unable to hold the water vapour for long. As a result, rain droplets form and it starts to rain. This process is called condensation. Eventually, the water cycle begins again.

The water cycle is an on-going process.



Check your understanding with a quick quiz!

1. When heat from the sun heats up the sea, it turns the water into vapour.

True or false

2. Condensation creates rain.

True or false

3. The wind blows the clouds over land and the clouds drop their water as rain, sleet or snow.

True or false

4. Evaporation creates water vapour.

True or false

5. Run off is the excess water that runs back into rivers and lakes.

True or false

What are freezing and thawing?

Watch clip two (on the timetable)



Watch the video and annotate around what you find out!

Find out what global warming is

...

**What do you think the impact
will be on Antarctica?**