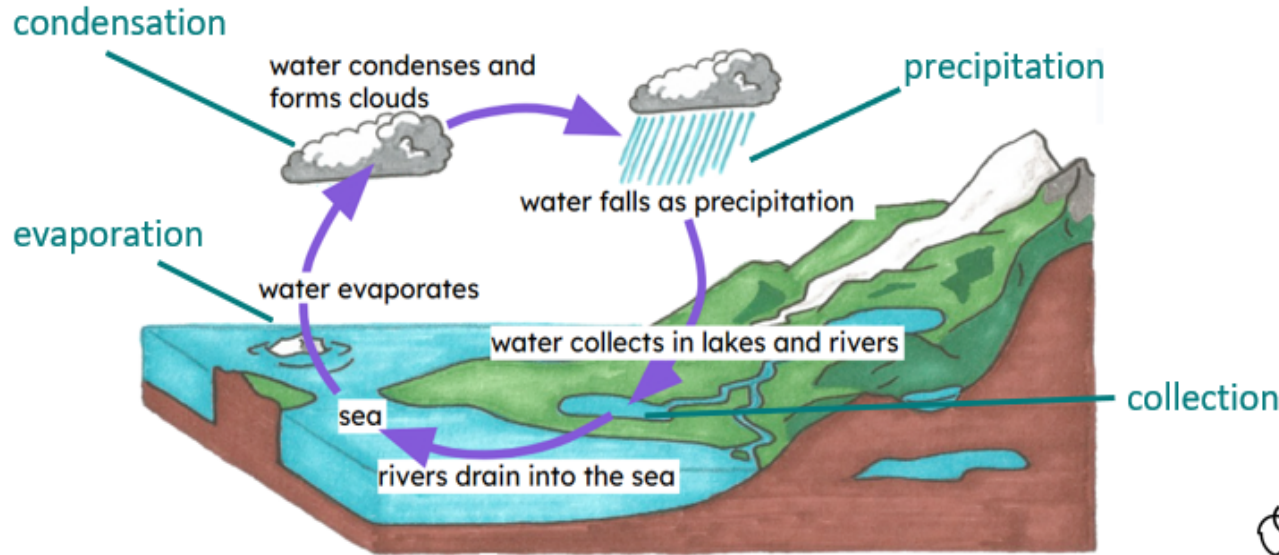




The Water Cycle

There are four main processes in the water cycle.



What I should already know:

- The names and locations of the seven continents of the world
- The names and location of the 5 Oceans
- Why our oceans are important
- What lives in an ocean
- How our oceans are being damaged
- Some ways to protect our oceans

Key Vocabulary:

Physical geography – The impact of natural features on an environment.

Weather - The daily variations in temperature, precipitation, cloud, wind and sunshine.

Climate - The long-term patterns of weather in a particular place.

Evaporation - Water changes from a liquid to a gas and returns to the atmosphere as water vapour - **liquid** water becoming **water vapour**

Condensation - Water changes from a gas to a liquid by forming droplets when the water vapour cools down. This process forms clouds.

Process—an ordered series of actions, events or changes that make something happen.

Precipitation - Water falls from the clouds in the form of rain, sleet, snow or hail.

Collection - **Water stored in lakes or seas**

Temperature - How hot or cold a place or substance is.

Greenhouse Gases - Greenhouse gases are gases in Earth's atmosphere that trap heat.

Climate Change - Climate change is a large-scale and long-term change in the planet's climate, including weather patterns and average temperatures.

How do Humans Use Water?



People have often built **settlements** near water because water is needed for many tasks:

- * Drinking Water
- * Growing Crops
- * Washing & Cooking
- * Water for animals
- * Transport & Trade

Climate Change

There are many ways in which humans are adding more gases to the atmosphere, which is trapping more heat and so causing temperatures to rise.



Drought in Western India



Flooding in England

Due to Climate Change, the weather is changing around the world. Some places are becoming hotter and drier and some places are receiving more rain than usual. This is having a devastating impact on people's lives and wildlife around the world.

Air pollution and greenhouse gases caused by humans.



What I will know by the end of the Unit:

- ◆ What the water cycle is
- ◆ What the water supply is like in the UK and around the world
- ◆ How to differentiate between weather and climate
- ◆ How climate change is affecting the world's weather
- ◆ What we can do to help slow global warming

Climate Change:

Climate change is the global change in climate patterns.

Climate change is caused by natural and human factors.

Air pollution is an important factor caused by **farming too many cows, greenhouse gases** and **deforestation**.

On this map you can see that some places on earth have similar climates.

These places are called climate zones.

