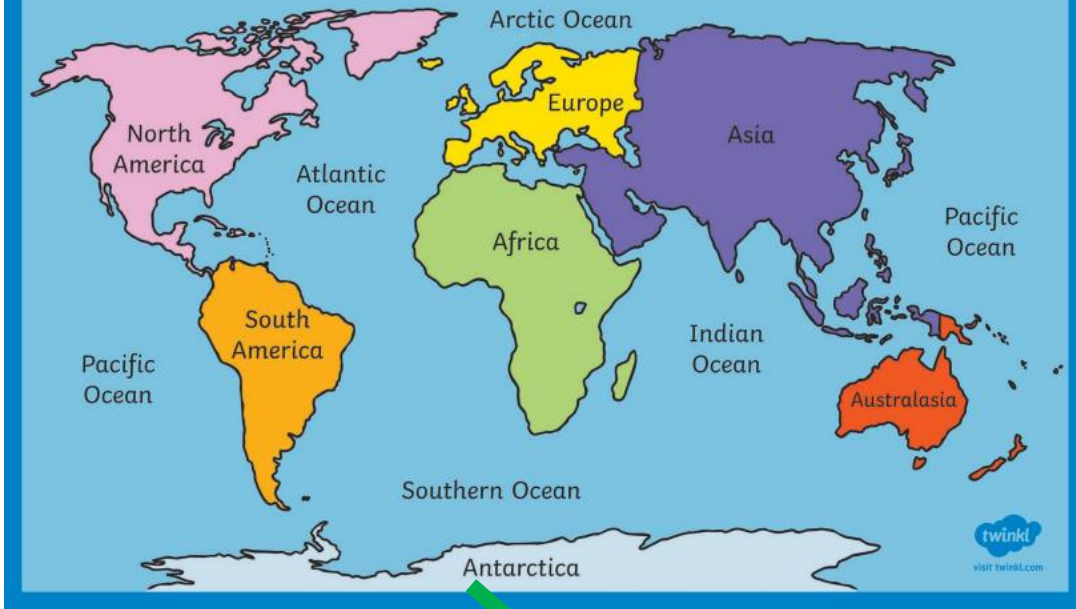


Continents and Oceans



Knowledge Organiser

Year 2

Why don't Penguins need to fly?

Continents

There are seven **continents**: North America, South America, Africa, Europe, Asia, Australasia and **Antarctica**. Some continents have many countries, others do not.

World Oceans

There are five **oceans** in the world: the Arctic Ocean, the Atlantic Ocean, the Indian Ocean, the Pacific Ocean and the Southern Ocean.



Key Vocabulary and concepts	Definition
Antarctica	Antarctica is a continent located in the far south of the Earth.
Continent	A very large area of land that includes all the islands with it.
ocean	A large area of sea.
Southern hemisphere	The part of the earth that is south of the equator. The most southerly point is the South Pole.
adapted	This is the process by which an animal, or plant, changes to fit in with its environment.
habitat	A habitat is a place where an animal lives. There are lots of different types of habitats.
environment	The environment is everything around us. All the surroundings including soil, air, plants and animals.
desert	A large area of land that has very little rainfall and where not much grows.
weather	What is happening in the atmosphere at a given time e.g. sun, wind, rain etc.
climate	The usual weather conditions of an area.

Where is Antarctica and what do we find there?

Antarctica is a continent found at the far south of the Earth. It is the coldest, driest and windiest place on Earth. It is very difficult for animals, including humans, to live there.

How are penguins able to survive in Antarctica?

Penguins are *adapted* to Antarctica. They have a thick layer of fat to keep them warm, oily feathers to keep them dry in the water and small flippers for swimming fast.

How does Antarctica compare to the Sahara Desert?

Antarctica is a desert because it has very little rainfall. It is different to the Sahara because it is covered in ice and not sand and it never gets hot.

How does Antarctica compare to the Arctic?

Antarctica is land covered in ice whereas the Arctic is ocean covered in ice. Penguins live in Antarctica and polar bears live in the Arctic.

How does Antarctica compare to Zambia?

Zambia is a country and not a continent. It is located in Africa. The climate is very hot and humid.

Why don't penguins need to fly?

Birds usually fly in order to find food on land but there is no food on the land in Antarctica so penguins find their food in the sea. They don't need to fly in the sea, they need to swim!

Climate

Countries around the world have different **climates**. **Climates** can be sorted into the following zones: **warm**, **cold (or polar)**, **tropical** and **temperate**. Countries near the **equator** tend to have a hotter **climate**. Different **animals** are better suited to living in countries with a particular **climate**.

Antarctica and Humans

Antarctica is a very difficult place for humans to live because it is too cold for humans to survive outside for long and not enough food can be grown or found there. No one lives there all the time but there are some scientists who visit Antarctica.