The living world

Climate Zones



- The weather changes in different parts of the world.
- Where there are similar weather patterns this is known as a climate.
- The world is divided into climate zones: polar, temperate, tropical and desert.
- The equator is an imaginary line that divides the Earth in half. The weather on the equator is hot all year round.
- Day and night are both 12 hours long at the equator and it gets dark and light very quickly.



What is a Biome?

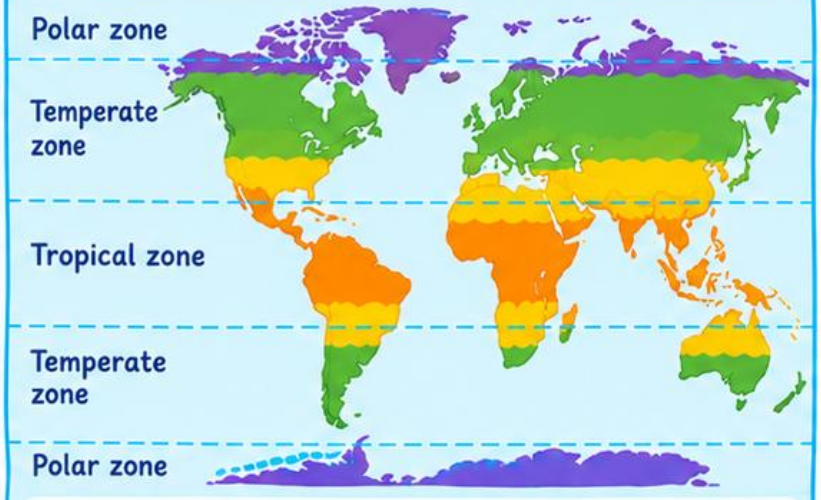


A biome is a natural area of plants and animals. The world is divided into lots of different biomes and they are all different depending on their climate.

Some biomes are:

- Aquatic
- Desert
- Forest
- Grassland
- Tropical rainforest
- Tundra
- Savannch
- Woodland

Climate Zones of the World



Key Vocabulary

Climate	Average weather conditions in a place.
Biome	Area with similar plants, animals and climate.
Tundra	Cold, treeless area with mosses and lichens.
Savannah	Hot, with a long dry season and grasses.
Rainforest	Hot and wet all year round, very biodiverse.
Aquatic	Plants and animals that live in water.
Desert	Very dry with little rain.
Grasslands	Vast areas of grasses.
Woodland	Trees and smaller plants, not as dense as a rainforest.
Ecosystem	Living things and their environment working together.
Biodiversity	The variety of living things in an area.
Vegetation belt	A band of plant life that changes with climate.

The World's Biomes

Tundra



- Very cold
- No trees
- Mosses and lichens
- Animals: polar bear, arctic fox

Savannah



- Hot all year
- Long, dry season
- Grasses and scattered trees
- Animals: lion, elephant, giraffe

Grassland



- Warm and seasonal
- Vast, open areas
- Grasses
- Animals: zebra, bison, antelope

Rainforest



- Hot and wet
- Very biodiverse
- Tall trees and thick plants
- Animals: jaguar, monkey, colourful birds

Desert



- Very hot (or cold)
- Little rain
- Cacti and hardy plants
- Animals: lizard, camel, snake

Aquatic



- In water
- Plants and animals in oceans, rivers and lakes

Woodland



- Mild climate
- Trees and smaller plants
- Rich wildlife
- Animals: deer, fox, badger