



Climate Zones

KNOWLEDGE ORGANISER



ESSENTIAL CLIMATE ZONES VOCABULARY

climate	The average weather conditions over a long period of time.
weather	Includes: temperature, wind; rain; sun; hail; snow; sleet; fog and cloud. The weather changes with the seasons.
weather forecast	A prediction of what the weather will be like in an hour, tomorrow, or next week.
rainfall map	Maps that show what the weather will be like in a certain area for the day and for the coming days.
monsoon	Season of heavy rains in hot Asian countries caused by wind direction.
equator	Imaginary line halfway around the Earth between the North and South poles.
temperate	Climate which is neither very hot or very cold temperature.
drought	A long period of low rainfall, leading to a shortage of water. Can lead to dry, arid conditions.
hemisphere	Half of the earth (northern or southern).
vegetation belt	Smaller regions where vegetation grows.
deciduous	Shedding all leaves annually (each year), then having a dormant period without leaves.
flora	Word to refer to plants
fauna	Word to refer to animals
biome	A large ecosystem which relies on climate
vegetation	Plant life in a particular area
rainforest	A dense rainforest found in tropical areas with consistent heavy rainfall.

Climate Zones and Biomes

Climate zones describe the temperature and precipitation in a certain area. Biomes are areas of similar vegetation in a certain area. The climate of an area determines which biomes will be present. There are many different biomes.

Climate Zones

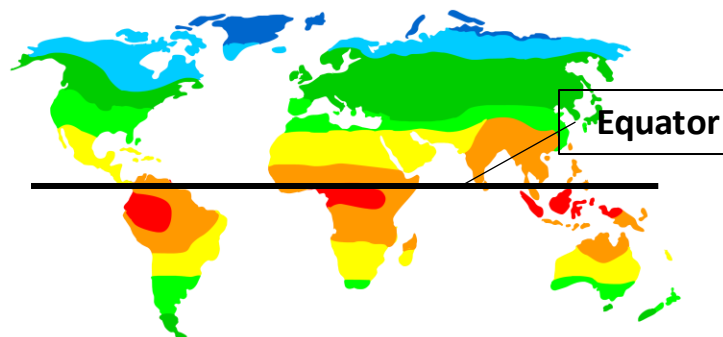
	Equatorial zone
	Tropical zone
	Arid zone
	Mediterranean zone
	Temperate zone
	Subpolar zone
	Polar zone

Biodiversity

In some biomes, such as the rainforest, there is a large range of flora and fauna. In areas with harsh conditions, there will be fewer living things.

Climate Zones

The closer an area is to the equator, the hotter it will be. Areas at the top and the bottom of the planet are the coldest.



MAKING LINKS TO PREVIOUS LEARNING GOLDEN VOCABULARY

Rainforest	Rainforests are found in warm, wet areas along the equator.
Vegetation	Rainforests have a wide range of vegetation due to their conditions.

Rainforest

The rainforest is home to a wide range of tropical plants and animals. Rainforests are found in regions that are warm all year round, such as the equatorial and tropical zones.

Desert

Deserts are extremely dry areas and receive no more than 25cm of precipitation a year. Depending on where they are, can either be very hot or very cold.

Tundra

The tundra is the coldest biome and has very few plants and animals. In the tundra, the subsoil is permanently frozen, which means that roots cannot stretch down into the ground.

Temperate, Deciduous Forests

These forests have trees which lose their leaves during the winter and grow them again during the spring and summer. They are found in parts of Europe and North America (among other places) where the climate is temperate.

Polar Climates

A polar climate is a place where the climate usually has a temperature below freezing, icy, and covered in snow. Polar climates are located at the North Pole of the Arctic, and at the South Pole on the continent of Antarctica. Polar bears live at the Arctic and Penguins live Antarctica.

UK Climate

In the United Kingdom we have a **temperate climate**, which means we have four distinct seasons with cool winters and warm summers.