



Y5 Geography

Biomes & climate zones



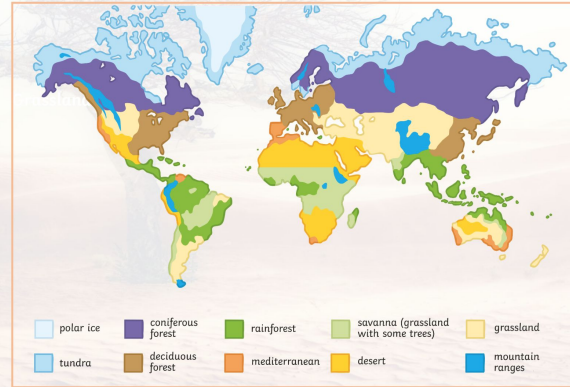
What is a biome?

Biomes are regions of the world with similar climate (weather and temperature), animals and plants.

What is the difference between climate and weather?

Weather refers to short term, day-to-day conditions, while climate is the typical weather year after year in a place

Biome Locations



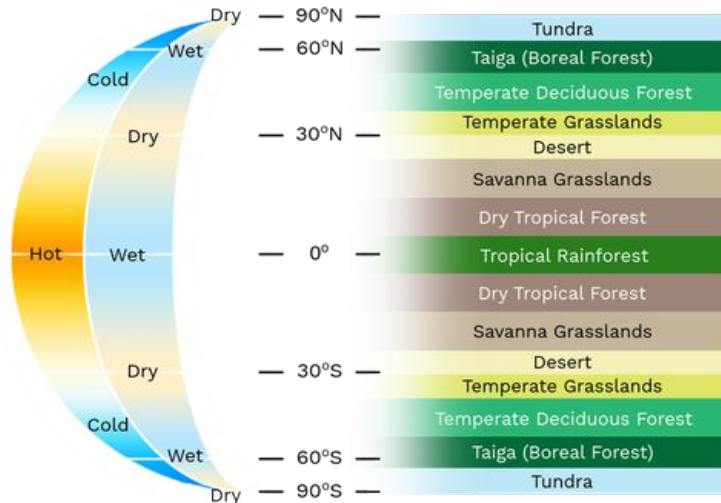
Key vocabulary

Climate zones	Climate zones are areas with distinct climates. These zones might correspond to weather patterns, latitude, or communities of plants and animals.
environment	the surroundings or conditions in which a person, animal, or plant lives
Lines of latitude	A line of latitude is an imaginary line. Latitude is the measurement of distance north or south of the Equator. It is measured with 180 imaginary lines that form circles around the Earth east to west, parallel to the Equator. These lines are known as parallels.
desert	a place where it hardly ever rains (and little can grow)
polar	Close to the north and south pole. A harsh, cold place where very few plants & animals can survive
tropics	the regions of the Earth that lie roughly in the middle of the globe. The tropics lie between the Tropic of Cancer and the Tropic of Capricorn. We call these places tropical countries.
Vegetation belt	the plant life within a certain area
location	where something is; where a place is positioned

What are the main types of biomes and what are they like?

The 5 largest biomes on Earth are :

- Aquatic** - marine and fresh water
- Grassland** - huge flat areas of grass
- Forest** - huge areas of trees
- Tundra** - extremely cold and inhospitable
- Desert** - extremely hot and dry and inhospitable



Explain why you would not find a polar biome in an arid climate zone.

Polar biomes are located in the polar climate zones which are found in the far north and south of our planet. Arid climate zones are located nearer the equator and are exposed to high levels of sunlight. Arid climate zones are characterised by high temperatures and dry seasons whereas polar zones are cold.