

High or Low: Where is best to grow?



| KEY VOCABULARY | |
|------------------------|---|
| climate | The average weather conditions over a long period of time |
| temperature | How hot or cold something is |
| vegetation belt | Smaller regions where vegetation grows |
| equator | Imaginary line halfway around the Earth between the North and South poles |
| longitude | Imaginary lines which go around the Earth from East to West |
| latitude | Imaginary lines which go around the Earth from North to South |
| hemisphere | Half of the Earth (northern or southern) |
| flora | Word to refer to plants |
| fauna | Word to refer to animals |
| biome | A large ecosystem which relies on climate |
| ecosystem | A community of plants and animals and their non-living environment |
| vegetation | Plants considered collectively, particularly those in a particular area |
| pollinate | When pollen is moved from the male anther to the female stigma |
| photosynthesis | The process where sunlight, carbon dioxide and water are used to make nutrients |

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, but these are believed to be the main land-based ones.

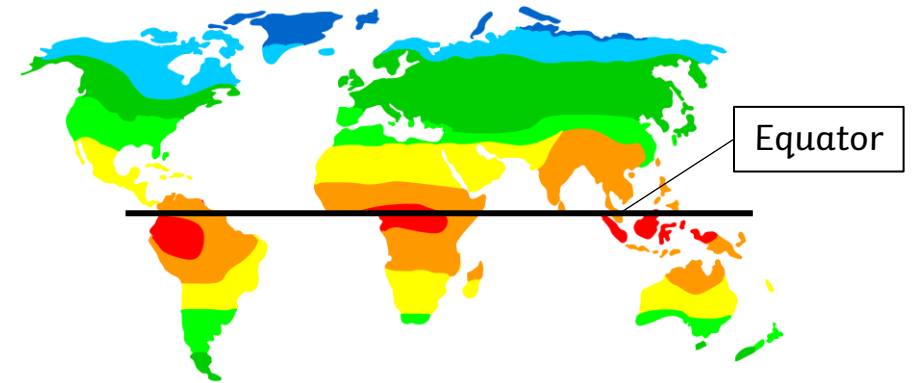
| Climate Zones | |
|---------------|--------------------|
| | Equatorial zone |
| | Tropical zone |
| | Arid zone |
| | Mediterranean zone |
| | Temperate zone |
| | Subpolar zone |
| | Polar zone |

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.



Fun fact! Antarctica is known as the Icy Desert!

Fun fact! Despite only covering 5% of the Earth, over half of the world's plant and animal species are found in the rainforest biome.



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, depending on where they are, can either be very hot or very cold. Plants and animals that live there have to adapt to harsh environments. They are mostly found in the arid climate zones.



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

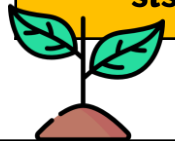
These forests have trees which lose their leaves during the winter and grow them again during the spring and summer. They are found in parts of Europe and North America (among other places) where the climate is temperate.

Boreal / Taiga Forests

Taiga forests are mainly coniferous, which keep their leaves all year around. They are in places that are cold for most of the year, such as the temperate/ subpolar area.

Grassland

Most of the grassland areas are made up of different grasses and a few trees and large plants. These areas are good for farming and are found in the Mediterranean/ arid climate zones.



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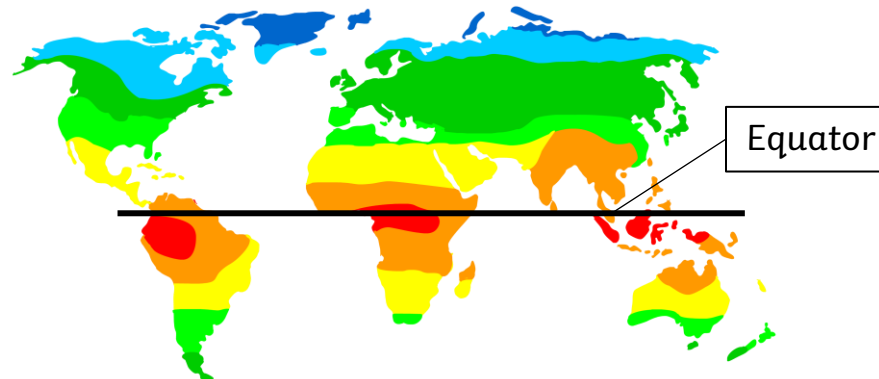
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Can you speak like a Geographer? (Oracy)

- Human features
- Physical features
- Climate zones
- Biomes
- Vegetation belts
- Fieldwork
- Location
- Place
- Trade links
- Natural resources

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