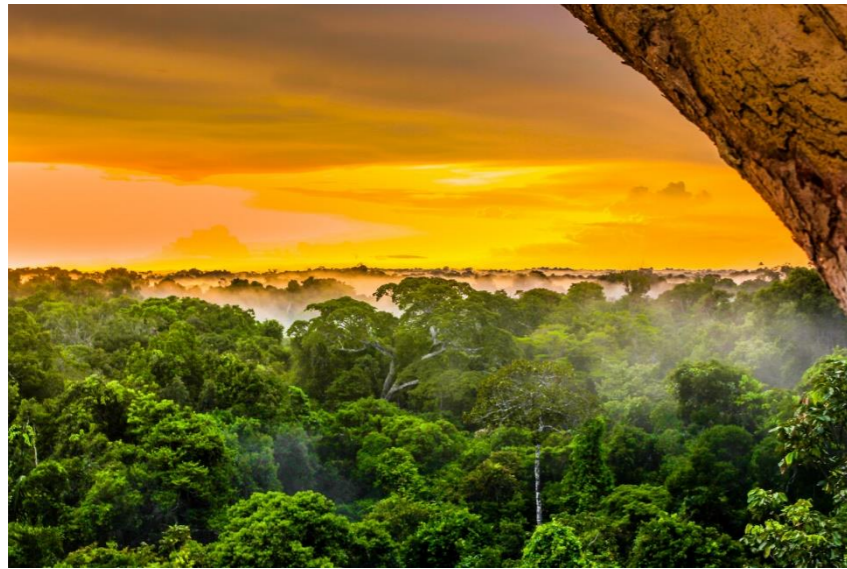




BIOMES

YEAR 4 | AUTUMN 2



OVERVIEW

We will be studying the biomes around the world to answer the question: **Why do biomes like the rainforest matter?**



KEY PEOPLE



David Attenborough
Broadcaster, biologist and natural historian. He is a supporter of environmental sciences.



Frederic Clements
American ecologist who first used the word 'biome' in 1916 when studying plants and ecosystems.



Victor Shelford
American ecologist who defined what a biome was further in 1963.



Susan Solomon
Her research played a vital role in understanding how humans effect the ozone layer.



Wangari Maathai
Founded the GreenBelt Movement in the 1970s to bring trees back to the Kenyan landscape.

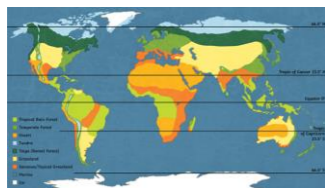
Taigas (boreal forests) are the largest land biome

Less than **2%** of sunlight reaches the ground in tropical rainforests

There are **5** major biomes in the world

Temperate forests experience **4 distinct seasons**

KEY VOCABULARY



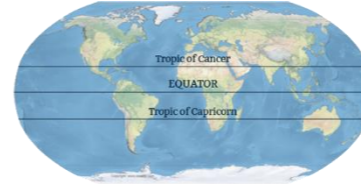
Biome



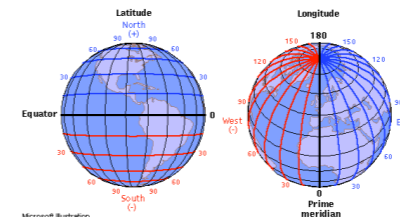
Climate



Equator

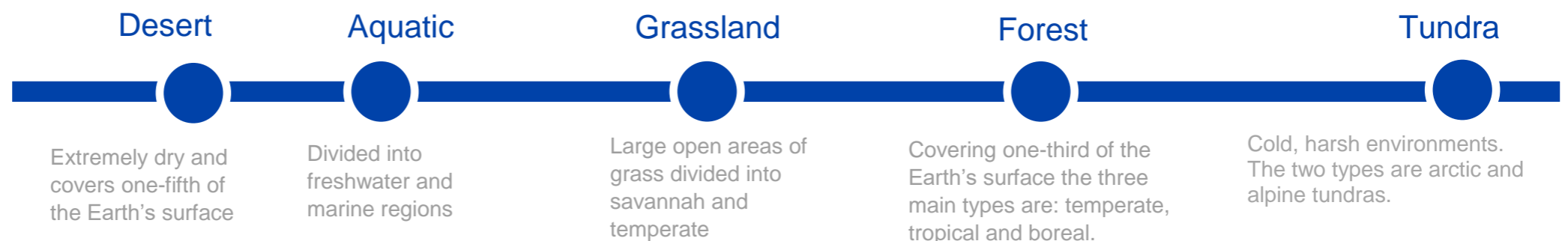


Tropics



Longitude and latitude

THE 5 BIOMES

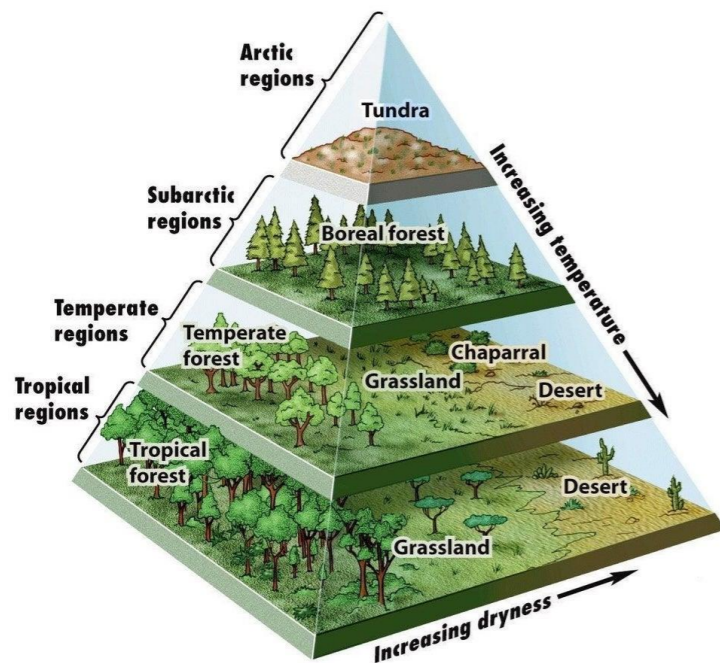


FACTS

- Arctic tundras hold 70% of the world's carbon
- The ocean covers up to 71% of the planet
- Almost 90% of the aquatic biome still hasn't been discovered by humans
- Forests are home to around 80% of all land species
- Between 1990 and 2020, around 178 million hectares of forest have been lost to deforestation

KEY PLACES

Biome Chart



GLOSSARY

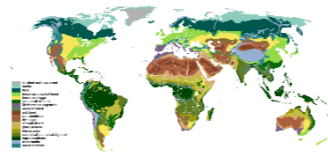
biome	An area classified according to the species that live in that location.
climate	The weather conditions prevailing in an area in general or over a period of time.
ecosystem	A geographic area where plants, animals and other organisms work together to form a bubble of life.
equator	A line around the Earth that divides the northern and southern hemispheres.
indigenous	Originating or occurring naturally in a particular place.
longitude and latitude	A system of lines to describe the location of any place on Earth.
vegetation	Plants found in a particular area or habitat.

EVIDENCE: WHICH SOURCES ARE RELIABLE?

The Internet



Maps



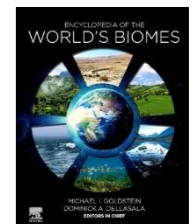
Experts



Media



Non-fiction texts



<https://www.bbc.co.uk/bitesize/topics/z849q6f/articles/zvsp92p>



<https://education.nationalgeographic.org/resource/five-major-types-biomes>



<https://www.dkfindout.com/uk/animals-and-nature/habitats-and-ecosystems/>



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