Finn’s Climate and Biomes Explorer Cards

Learning objective: To understand key terminology related to global climate zones, biomes, and the factors that influence weather patterns.

Use these flashcards to test your knowledge of global geography. Read the term or question on the left, then flip the card (or check the answer) to see if you are correct. Can you explain these concepts to Finn the Dolphin?

What is the difference between weather and climate?

Weather refers to the short-term state of the atmosphere, while climate is the average weather pattern in a place over a long period, usually 30 years or more.

Which imaginary line sits at 0 degrees latitude and receives the most direct sunlight?

The Equator.

What is a biome?

A large naturally occurring community of flora and fauna occupying a major habitat, such as a forest, tundra, or desert.

What do we call the amount of water falling to the Earth as rain, snow, mist, or hail?

Precipitation.

True or False: The further you move from the Equator towards the poles, the warmer the climate generally becomes.

False. It generally becomes colder.

What is the Tropic of Capricorn?

An imaginary line of latitude approximately 23.5 degrees south of the Equator.

Name the cold, treeless biome found in the Arctic regions.

Tundra.

How does altitude affect climate?

Generally, as altitude increases, the temperature decreases, which is why mountain peaks are often colder than the valleys below.

What are the three main climate zones?

Tropical, Temperate, and Polar.

Which biome is characterised by very low precipitation and extreme temperature fluctuations?

Desert.

What is a 'temperate' climate?

A climate zone that lacks extreme heat or cold, typically featuring distinct seasonal changes in temperature and precipitation.

Why does the tilt of the Earth matter for our climate?

The tilt causes different parts of the Earth to receive varying amounts of sunlight throughout the year, which creates the seasons.