

Finn's Global Biome Expedition

Learning objective: To identify and describe the characteristics of different world biomes and understand how climate affects the plants and animals that live there.

Read each flashcard carefully. Finn the dolphin is traveling the world to map these environments. Use the information to test your knowledge of how our planet's geography works.

What is a biome?

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

Describe the climate of a Tropical Rainforest.

It is hot and humid all year round with very high levels of precipitation.

Why is the Tundra considered a challenging biome for plants to grow?

The temperatures are extremely cold and the ground is often permanently frozen, making it difficult for deep roots to grow.

What is an adaptation?

A special feature or behavior that helps a living thing survive in its specific environment.

How does a desert biome differ from a grassland?

Deserts receive very little rainfall and have extreme temperatures, whereas grasslands have a moderate climate with enough rain to support grasses but not many trees.

What happens to the leaves of trees in a Temperate Deciduous Forest during fall?

They change color and fall off to help the tree conserve water and energy during the colder winter months.

Why are many biomes located near the Equator so hot?

The sun's rays hit the Earth most directly at the Equator, providing constant heat throughout the year.

What is precipitation?

Any form of water, such as rain, snow, sleet, or hail, that falls to the ground.

Explain why a cactus is well-suited to a desert biome.

It has thick, waxy skin to store water and spines instead of leaves to prevent water loss.

Compare and contrast the Tundra and the Tropical Rainforest.

The Tundra is freezing and dry with little life, while the Rainforest is hot and wet with a huge variety of plants and animals.