

Grade 4 Geography: Exploring Earth's Biomes

Learning objective: To identify, describe, and compare the characteristics of major global biomes and their climates.

Read each question carefully. Answer in full sentences where required. Ensure you use geographical vocabulary.

Finn the dolphin has been mapping the world from the coastline. He has noticed that different parts of the world have very different weather, plants, and animals. These large areas are called biomes. A biome is determined by its climate, which includes the average temperature and the amount of precipitation that falls throughout the year.

Word bank: Equator · Precipitation · Tundra · Tropical Rainforest · Desert · Adaptation · Climate · Vegetation

1. Define the term 'biome' in your own words. (2 marks)

2. Name two factors that determine the climate of a specific biome. (2 marks)

3. Why do most tropical rainforests grow near the Equator? Give one reason related to climate. (2 marks)

4. Explain how a plant in the desert has adapted to survive with very little water. (3 marks)

5. Compare the Tundra biome to the Tropical Rainforest biome. Mention at least two differences in their climate or vegetation. (4 marks)

6. Nova the owl is planning a journey around the world. If she travels from a hot, sandy desert to a cold, icy Tundra, what changes might she notice in the landscape and the animals she encounters? Write a short report explaining these changes. (7 marks)

7. Give one example of how human activity can impact a biome. (5 marks)

Draw: Draw and label a diagram showing the layers of a Tropical Rainforest: the emergent layer, canopy, understory, and forest floor.



Extension challenge: Total: /25