

Year 5 Geography Assessment: Exploring Global Biomes

Learning objective: To demonstrate knowledge and understanding of global biomes, their climates, and the environmental factors that shape them.

Read each question carefully. Use your geographical knowledge to provide detailed, accurate answers. Ensure your writing is clear and uses appropriate subject-specific vocabulary.

Finn the dolphin has travelled across the globe, observing how different parts of the world support unique life. From the dense, humid canopy of the rainforests near the Equator to the frozen, windswept plains of the high latitudes, Finn notes that every biome has a distinct climate and specific plants and animals that have adapted to survive there.

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

1. Define the term 'biome' and explain one primary factor that influences where a biome is located on Earth. (2 marks)

2. Compare and contrast the climate of a Tropical Rainforest with that of a Polar Tundra. Include references to temperature and precipitation. (3 marks)

3. Explain why many plants in the desert have thick, fleshy stems or deep root systems. Use the word 'adaptation' in your response. (2 marks)

4. Identify two distinct characteristics of a Temperate Deciduous Forest that differ from other biomes. (2 marks)

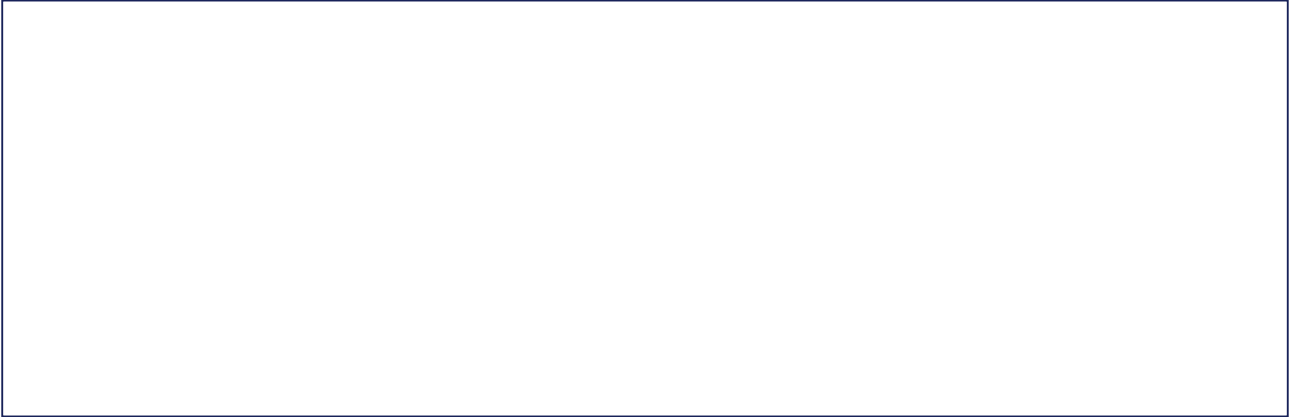
5. Justify why regions near the Equator generally support a higher level of biodiversity than regions near the North and South Poles. (3 marks)

6. What might happen to the wildlife in a Tundra biome if the average global temperature were to rise significantly over the next century? Explain your reasoning. (3 marks)

7. Imagine you are an explorer like Finn. Write a descriptive report (approx. 100 words) on a biome of your choice. You must describe its climate, the types of vegetation found there, and one specific challenge an animal faces when living in this environment. (5 marks)

8. If a developer wanted to build a tourist resort in a sensitive biome, what geographical evidence should they collect before starting their project? Suggest two pieces of evidence. (5 marks)

Draw: Draw a cross-section of a Tropical Rainforest, clearly labelling the four layers: Forest Floor, Understory, Canopy, and Emergent Layer.



Extension challenge: Total: /25. Extension Task: Research the impact of deforestation on the global carbon cycle. Create a persuasive poster for your local community explaining why protecting rainforests is vital for the entire planet's climate.