

Exploring Earth's Biomes with Finn the Dolphin

Learning objective: To describe and explain the characteristics of a chosen biome, identifying how climate and vegetation interact.

Choose a specific biome (e.g., Tropical Rainforest, Tundra, or Desert) and use the prompts below to structure your report. Use your best geographical vocabulary to describe the environment and the adaptations required for life there.

As Finn the Dolphin dives beneath the waves and glides across the globe, he observes that our planet is divided into distinct biomes, each with its own unique climate and inhabitants.

Word bank: consequently · in contrast to · predominantly · specifically · furthermore · due to · sustainable · ecosystem · adaptation · latitude

1. Introduction: Name your chosen biome and explain its general location on Earth. Start your writing with: 'The biome I have chosen to investigate is the...', (2 marks)

2. Climate and Conditions: Describe the typical weather patterns and seasonal changes in this area. Start your writing with: 'The climate in this region is characterised by...', (3 marks)

3. Flora and Fauna: Explain how the plants and animals have adapted to survive in this specific environment. Start your writing with: 'To survive in these harsh/lush conditions, the wildlife has developed unique adaptations such as...', (4 marks)

4. Human Impact: Explain why this biome is important to the planet and what threats it might face. Start your writing with: 'This ecosystem is vital for our planet because...', (3 marks)

5. Justification: Explain why you think this specific biome is the most fascinating to study. Start your writing with: 'I believe this biome is the most significant because...', (4 marks)

6. Comparison: Compare and contrast your chosen biome with a very different biome (e.g., Desert vs. Rainforest). Start your writing with: 'While my chosen biome is dominated by..., in contrast, the... biome is defined by...', (4 marks)

Extension challenge: Imagine the climate in your chosen biome changes drastically over the next fifty years. Write a short paragraph justifying how the indigenous species might need to evolve or migrate to survive. Use the phrase 'What might happen if...' to begin your analysis.