

Finn's Global Biome Explorer: Field Research File

Learning objective: To identify and describe the characteristics of different biomes, including climate, vegetation, and animal adaptations.

Finn the dolphin has been busy mapping the world's geography! Use this field research file to record your findings about a specific biome. Research the climate, the types of plants that grow there, and how animals have adapted to survive in that unique environment. Use the word bank to help you describe your findings in detail.

Word bank: precipitation · adaptation · vegetation · climate · latitude · ecosystem · habitat · temperature · evergreen · arid

1. Biome Identification: Name your chosen biome and explain its location on Earth in relation to the Equator. Why does its latitude affect its climate? (3 marks)

2. Climate Conditions: Describe the typical weather patterns, including annual rainfall and average temperature. How do these conditions influence the landscape? (3 marks)

3. Vegetation Analysis: Identify two types of plant life found here. Justify how these plants have adapted to survive in this specific environment. (4 marks)

4. Animal Adaptations: Select one animal from this biome. Explain how its physical features or behaviours are perfectly suited to its habitat. (4 marks)

5. Compare and Contrast: Compare your chosen biome with a desert. Identify one major similarity and one major difference in how life thrives in each. (4 marks)

6. Critical Thinking: What might happen to the local ecosystem if the average temperature of this biome increased significantly over the next fifty years? (4 marks)

Extension challenge: Imagine you are a scientist living in this biome for one month. Write a short, creative diary entry describing a day in your life. Focus on how you must adapt your clothes, food, and daily routine to survive in that environment.