

Finn's Climate Explorer Field Report

Learning objective: To identify and describe the characteristics of different climate zones and understand how they affect the world around us.

Join Finn the dolphin on his global expedition! Use this field report to research a specific climate zone (e.g., tropical, temperate, polar, or arid). Use your geography atlas and class resources to complete each section. Be descriptive and use geographical vocabulary.

Word bank: Equator · Precipitation · Temperature · Latitude · Atmosphere · Humidity · Vegetation · Adaptation · Climate Zone · Meteorology

1. Climate Zone Classification: Identify the name of the climate zone you are researching and explain its approximate location in relation to the Equator. (2 marks)

2. Atmospheric Conditions: Describe the typical weather patterns, including average temperature and annual precipitation levels. (3 marks)

3. Flora and Fauna Adaptations: Explain how one plant or animal has adapted to survive in this specific climate. Why is this adaptation necessary for their survival? (3 marks)

4. Human Impact: Compare and contrast how the climate in this zone influences the types of clothing people wear and the houses they build. (4 marks)

5. Justify your answer: If the average temperature in this zone were to rise by five degrees, what might happen to the local ecosystem? Explain your reasoning. (4 marks)

6. Geographical Reflection: Explain why different regions of the world experience different climates. What role does the sun play in these variations? (3 marks)

Extension challenge: Imagine you are a travel advisor for a climate scientist. Write a persuasive paragraph justifying which climate zone would be the most challenging to conduct research in and propose one piece of technology that would make their work easier.