

Finn's Coastal Explorer Fact-File

Learning objective: To identify, describe, and explain the key physical features and processes of a coastal landscape.

Use your geography knowledge to complete this coastal fact-file. Think like a geographer as you describe how the sea shapes the land. Ensure you use specific geographical vocabulary to explain the processes of erosion and deposition.

Word bank: erosion · deposition · headland · bay · sediment · longshore drift · stack · arch · coastline

1. Coastal Landforms: Identify one coastal feature (such as a bay or headland) and describe its physical characteristics. (2 marks)

2. The Process of Erosion: Explain why some parts of the coastline retreat faster than others. Consider the impact of wave energy. (3 marks)

3. Deposition and Sediment: Compare and contrast how sediment is moved along the shore compared to how it is deposited. Use the term 'longshore drift' in your explanation. (4 marks)

4. Human Impact: Justify why it is important to protect coastal areas from erosion. What might happen if we did not manage these areas? (3 marks)

5. Case Study Analysis: Choose a specific stretch of coastline you have studied. Explain why its features have changed over the last century. (4 marks)

6. Predictive Thinking: What might happen to a coastal arch if the process of erosion continues to weaken its base? Explain your reasoning. (3 marks)

Extension challenge: Design a sustainable coastal management plan for a fictional seaside town. Write a persuasive paragraph explaining how your plan balances the need to protect property with the desire to preserve the natural beauty of the coastline.