

Finn's Coastal Explorer Challenge

Learning objective: To identify and define key physical features of a coastline and understand how they are formed through erosion and deposition.

Finn the dolphin needs your help to map the coastline! Read the descriptions of coastal landforms below. Match each description to the correct geographical term from the word bank. Then, explain how these features are shaped by the power of the sea.

Word bank: Headland · Bay · Stack · Arch · Cliff · Cave

1. 1. I am a steep, high rock face next to the sea, formed by waves crashing against the land. What am I? (1 mark)

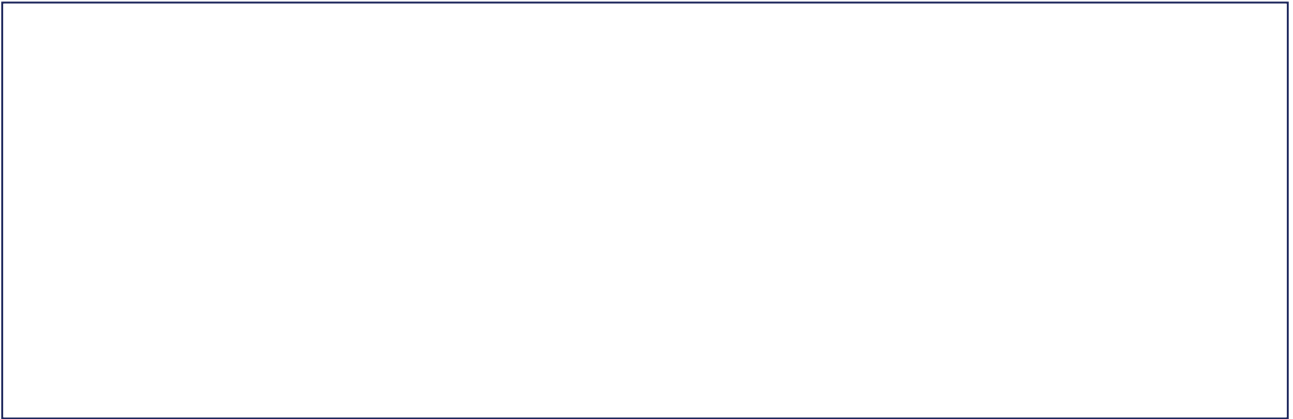
2. 2. I am a curved area of water where the land has been worn away by erosion. What am I? (1 mark)

3. 3. I am a vertical pillar of rock left standing in the sea after an arch has collapsed. What am I? (1 mark)

4. 4. Explain why a 'headland' usually sticks out into the sea while a 'bay' is set further back. Think about the hardness of the rock. (3 marks)

5. 5. If a holiday park owner wanted to build a new cafe on the cliff edge for £50,000, why might this be a risky investment due to coastal erosion? (3 marks)

Draw: Draw a labelled diagram of a coastline showing a headland, an arch, and a bay. Use arrows to show where the waves are hitting the hardest.



Extension challenge: Research a famous UK coastline, such as the Jurassic Coast or the Seven Sisters. Write a short paragraph explaining one way the coast has changed over the last 100 years.