

Exploring Our Coastlines with Finn the Dolphin

Learning objective: To identify and describe the physical processes of coastal erosion and the features of a coastline.

Read each question carefully and use your geography knowledge to provide detailed answers. Use the word bank to help you with key terminology.

Word bank: Erosion · Deposition · Headland · Bay · Longshore Drift · Stump · Arch

1. Finn the dolphin is swimming along the coast. Explain the difference between a headland and a bay using your knowledge of how hard and soft rock are eroded. (3 marks)

2. Describe the process of 'erosion' and name one way that waves can break down the cliffs at the seaside. (2 marks)

3. What is 'deposition' and how does it help to create a sandy beach? (2 marks)

4. Look at the sequence of a cliff: Arch, Stack, Stump. Briefly explain why a stack eventually turns into a stump. (2 marks)

5. If a local council wanted to stop the beach from washing away, they might spend £5,000 on wooden groynes. Explain why these structures are used to stop longshore drift. (3 marks)

Draw: Draw a diagram of a coastline. Include a headland, a bay, and a sandy beach. Label each feature clearly using arrows.



Extension challenge: Research a famous UK coastline, such as the Jurassic Coast or the Seven Sisters. Write two sentences about why these areas are important for geography studies.