

Coasts Answers 1

1) Describe how the coastline has changed between 2005 and 2015 (2)

The coast retreated between 2005 and 2015, particularly near Millom del Sol [1 mark]. The wave-cut platform near Millom del Sol became much wider as the cliff retreated [1 mark].

2) Name and describe 2 processes of erosion that could have caused the coastal change in figure 1 (4)

Any two from: hydraulic power [1 mark] is when waves crash against rock and compress the air in the cracks. This puts pressure on the rock. Repeated compression widens the cracks and makes bits of rock break off [1 mark]. / Abrasion [1 mark] is when eroded particles in the water scrape and rub against rock, removing small pieces [1 mark]. / Attrition [1 mark] is when eroded particles in the water smash into each other and break into smaller fragments [1 mark].

3) Explain how freeze thaw weathering could cause the cliffs shown in figure 1 to break up (4)

This question is level marked. How to grade your answer:

- Level 0: There is no relevant information. [0 marks]
Level 1: There is a basic description of how freeze-thaw weathering causes cliffs to break up. [1-2 marks]
Level 2: There is a clear description of how freeze-thaw weathering causes cliffs to break up. [3-4 marks]

Here are some points your answer may include:

- Freeze-thaw weathering can happen when water gets into rock that has cracks.
- If the water freezes it expands, which puts pressure on the rock.
- When the water thaws it contracts, which releases the pressure on the rock.
- Repeated freezing and thawing widens the cracks and causes the rock to break up.

4) Name a process of weathering, other than freeze thaw, that could affect the cliffs in Figure 1 (1)

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