

L.O. I know how to explain erosion Geography

What is the coast?

The coast is where the land meets the sea.



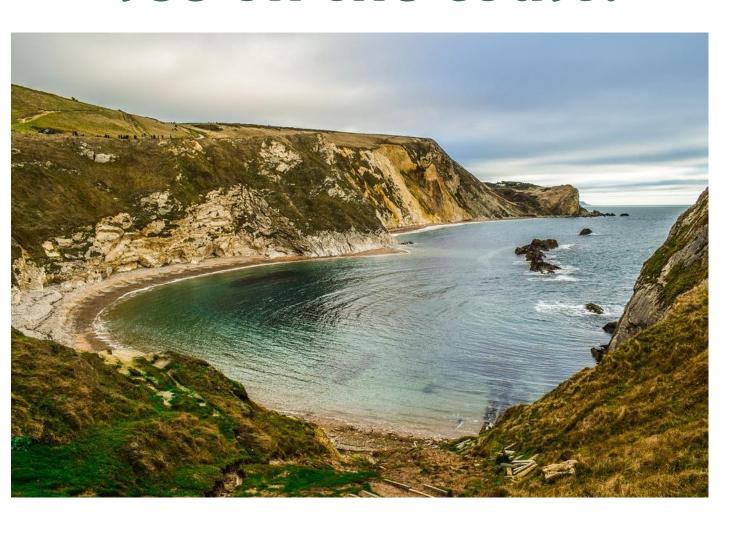


What physical features can you see on the coast?





What physical features can you see on the coast?



beaches cliffs sand pebbles rocks caves rock pools

arch stack

Why does the coast look different everywhere?

- The sea constantly bashes against the edge of the land in different directions.
- Some rock in the land is soft, some is hard.
- Some places have more strong and forceful storms than others.

Coastal Changes

Today we are learning about how the coast changes over time.

The distance of the second of



Watch up to 40 seconds only now.

How are bays and headlands formed?





INSIDE THE COAST/

The coasts are made of soft or hard rock. Often it can be in big patches likes this:

HARD ROCK

Soft rock

HARD ROCK

Soft rock

HARD ROCK

INSIDE THE COAST/

Over time the seal can erode away the soft rock parts of the coast.

Soft rock

HARD ROCK

Soft rock

HARD ROCK

HARD ROCK

INSIDE THE COAST/

In the gaps sand and rocks can collect and form sandy or pebbly bays.

Soft rock

Soft rock

HARD ROCK

HARD ROCK

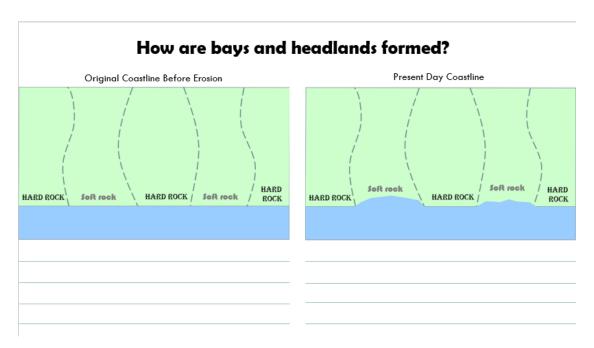
HARD ROCK

These lovely sandy bays are formed as the weaker section of coastline here have been eroded. The headlands stick out as they are harder more resistant rock which aren't as easily eroded.

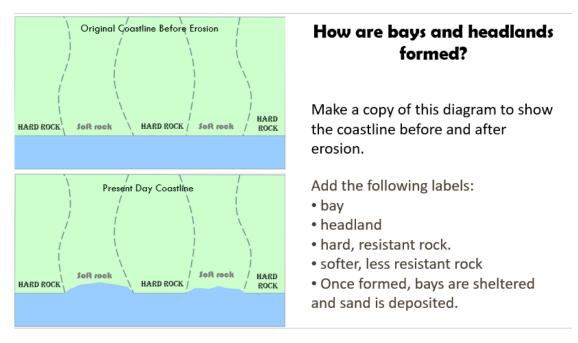


Activity 1

Choose either of the following slides for activity 1.

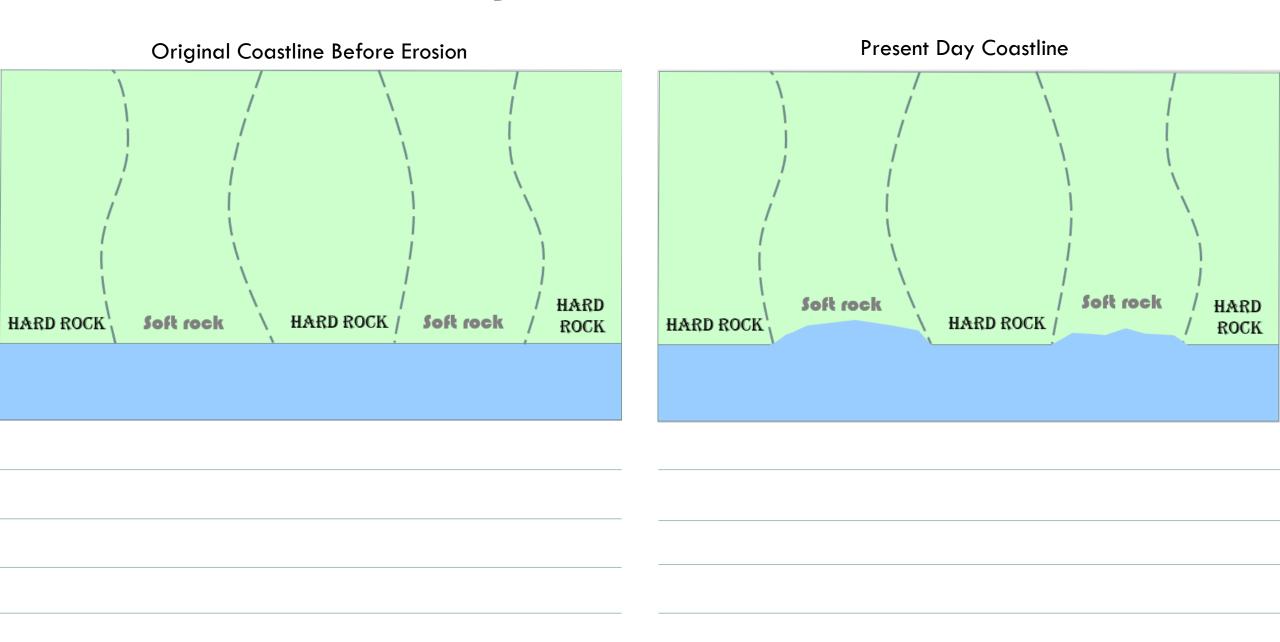


Explain the process of erosion which creates bays and headlands under the diagrams.

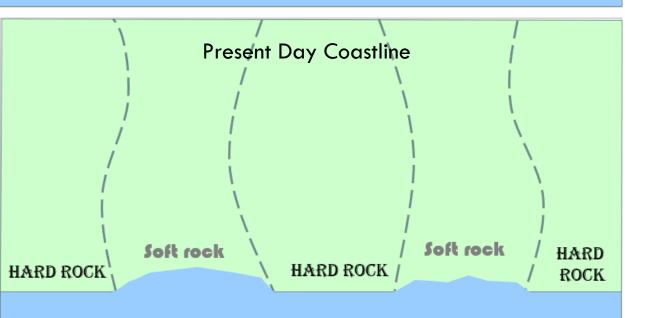


Follow the instructions, draw and label your own diagram.

How are bays and headlands formed?



Original Coastline Before Erosion HARD ROCK Soft rock HARD ROCK Soft rock HARD ROCK



How are bays and headlands formed?

Make a copy of this diagram to show the coastline before and after erosion.

Add the following labels:

- bay
- headland
- hard, resistant rock.
- softer, less resistant rock
- Once formed, bays are sheltered and sand is deposited.