



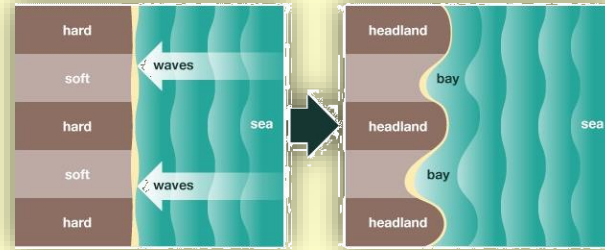
Uses of the coast

- Coasts provide countries with the opportunity to transport cargo by ship.
- Coastal areas can attract large numbers of tourists and make money for local people
- Coasts provide the opportunity for a country to possess a navy.
- Coasts allow us to harness tidal power for energy
- Coasts provide a place to pursue a range of sporting activities e.g. surfing, swimming.

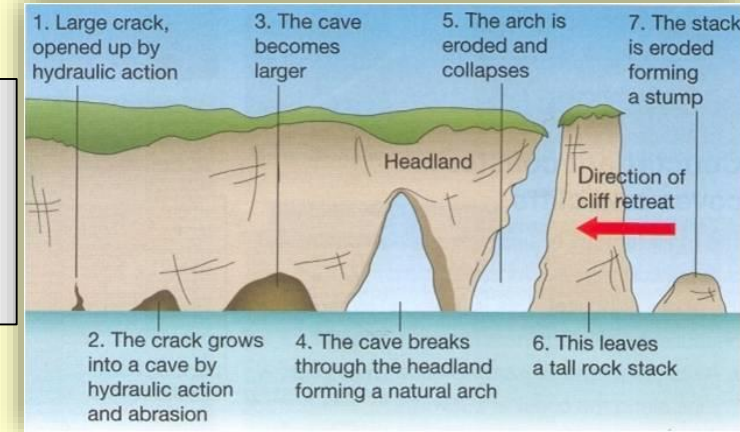
Landforms – Headlands and bays

A headland is a cliff that sticks out into the sea.
 A bay is an indentation in the coastline between headlands.

- The tougher hard rock will erode more slowly = headlands.
- The weaker soft rock will erode more quickly = bays.
- Bays are sheltered = deposition = beaches are formed.

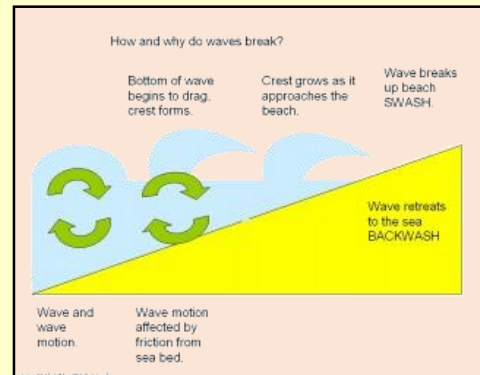


Landforms on headlands – Caves, arches, stacks and stumps



Waves

- Caused by the wind
- Bigger waves are caused by...
 - Stronger winds
 - Long fetches
 - Winds that have blown for a long time



Key word	Definition
Coasts	The part of the land joining or near the sea.
Erosion	The wearing down of materials such as cliffs or rocks.
Deposition	When transported material is dropped back down again (it is deposited).
Landform	A feature of the Earth's surface such as a mountain, cliff, coast, cave, waterfall.
Longshore drift	The movement of material such as rocks along the coastline.
Sea level rise	The water in the oceans and seas getting higher due to climate change melting ice caps.
Agriculture	Farming!
Impacts	How a person/people or the environment are affected by something that happens.
Swash	The forward pushing movement of a wave up a beach (usually at an angle)
Backwash	The backward dragging movement of a wave down a beach at right angles to the coastline (straight down)

Sea defence	Picture	Description	Hard or Soft
Sea wall		Reflects power of waves back to sea	Hard
Groynes		Prevent longshore drift, trapping sediment and creating a beach to protect the land behind it	Hard
Gabions		Absorbs some of the power of waves	Hard
Rip-rap/rock armour		Absorbs some of the power of waves	Hard
Beach replenishment		Adds sand to the beach to protect the land behind it	Soft



Homework 1:

1. Write a paragraph explaining what makes the strongest waves
2. Using the uses of the coast - Explain why having a coast can help with a countries economy (providing money and jobs)
3. Using the uses of the coast - Explain why having a coast can be positive for the people in that country (socially positive)
4. List all of the coastal landforms that you can find on the sheet (or know of!)

Homework 2:

- Learn the key terms from the sheet you were given in class.
- Practice recalling both the definition and key term.
- Get someone to test you
- Write up 4-6 sentences including the key words

Homework 3:

1. Write a step-by-step explanation of how headlands and bays are formed
2. Explain how a large crack in a headland may eventually become a stump
3. Write definitions of hard and soft engineering
4. Explain whether soft engineering is better or worse than hard engineering **OR** explain how two soft and two hard engineering methods work to protect the coast

	I can...	Tick
What processes shape the coasts we use?	Define 'the coastline'	
	Name and explain a number of uses of the coast and describe the conflicts that happen between different users.	
	Explain how wind forms waves	
	Explain why waves are different strengths and how 'the fetch' plays an important part	
	Explain the terms swash and backwash	
How do erosion, deposition and transportation create different coastal landforms?	Identify Spits, caves, arches, stacks, stumps and beaches from photographs and explain how they formed	
	Identify and explain the four types of coastal erosion – hydraulic action, abrasion	
	Describe and explain Longshore Drift and explain what might happen to the size and shape of a pebble as it moves along a beach	
How is flooding caused and managed?	Name different types of soft and hard coastal defence and give advantages and disadvantages of each one	
	Explain how the geology of an area (the type of rocks) can affect how much erosion happens	
	Explain the difference between erosion and deposition	
	Explain why sea levels are rising and what problems this might bring coastal areas	