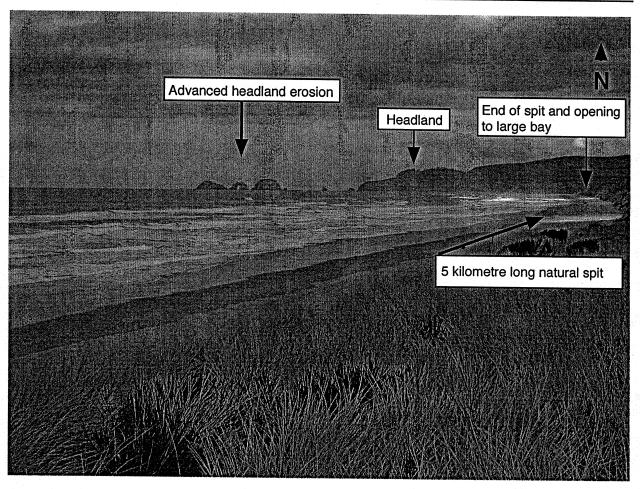
Unit 2: Gradational Processes Quiz		
Topic: Wave action and Coastal landforms (A)	Name	
Use the diagram on the right to answer questions 1-4		
1. Sand driven up the beach by the power of the wave at location A is called	'4	ocean currents
2. Water returning back into the ocean at location B is referred to as	В	To a series
3. The movement of sand along the beach as shown by the arrow at $\boldsymbol{\mathcal{C}}$ is called	Saint Saint	iiims 👡
4. Walls built to stop sand from moving along the beach are known as		D
5. Why do waves break when they near the shoreline?		
6. Define corrasion.		
7 A land ridge of sand formed by wave action and ocean	current is called	en e

Islan
an currents is known as
cate arches. What feature is



Use the photograph above to answer the questions below.

this beach now are constructive waves or destructive waves? _ answer.	Support your
2. With the use of a diagram describe longshore drift.	
	e e de la companya d

Unit 2: Gradational Processes Topic: Coastal Landforms 4. The long spit is evidence that a great deal of sand is being deposited on this beach. Where is the supply of sand coming from? 5. Locate the distant headland area. Name the 2 features of headland erosion evident in the photograph. and _____ 6. The breakup of rock has been generated by 4 processes - corrosion, abrasion, attrition, and hydraulic action. Define abrasion and hydraulic action. Abrasion ____ Hydraulic action _____ 7. As waves crash and retreat, air is able to enter cracks in rock cliffs. As the next wave strikes the cliff this trapped air can greatly increase the work of hydraulic action. Explain how. 8. What will be the final stage of cliff erosion once all the rock has broken apart and disappeared from 9. Cliffs along the distant headland are very steep, some even with vertical drop-offs. Why are rocky ocean cliffs often so steep? 10. Name the depositional feature that would form if the existing spit joined an island to the mainland. 11. Is there anyway to slow the sand from moving along this beach? Explain.

Unit 2: Gradational Processes
Topic: Coastal terminology

Name			
IVIIII			

corrasion	groyne	estuary	refraction
tombolo	spit	headland	hydraulic action
stack	swash	bay	tunnel
backwash	arch	caves	longshore drift
undercutting	plunging wave	wave of oscillation	

Pick the correct term from the words in the box to fill in the blanks below.

1. A long sandy depositional feature formed by wave action.
2. The first stage of cliff retreat.
3. The movement of sand and water onto the beach caused by wave action.
4. A wave commonly seen in deep ocean water.
5. Refers to the bending action of waves as they approach the shoreline.
6. A sandy depositional feature that joins an island to the mainland.
7. The main reason why ocean cliffs are often very steep.
8. The second stage of cliff retreat.
9. Wave-driven water returning to the ocean by force of gravity.
10. This feature is designed to stop the movement of sand along the beach.
11. A destructive wave that often will remove sand from the beach.
12. Hard rocky areas along shorelines become this feature.
13. The horizontal movement of sand along a beach caused by wave action.
14. An advanced stage of cliff retreat in which water action has eroded a large opening through a
headland.
15. This shoreline area commonly contains a mixture of fresh and salt water and the water level rises and
falls with the tides.
16. The eroding power of wind-driven waves
17. Also known as abrasion.
18. A small opening through a headland that allows water to go from one side to the other.
19. A rock pillar in the ocean that indicates an advanced stage of headland erosion.