

Coastal Landscapes in the UK




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Using this booklet

Welcome to the Internet Geography Work Booklet for the Living World – Ecosystems and Tropical Rainforest. There are a range of resources on Internet Geography to support you studying this unit. Head over to www.internetgeography.net/aqa-gcse-geography/the-living-world/ to access them.

As well as the resources in this booklet, there are a number of online quizzes to check your learning as you work your way through this booklet.

 This icon lets you know when you should attempt the online quizzes developed to support your learning and check your knowledge. Your scores should be recorded on the tracking table at the back of this booklet. It is useful to revisit the quizzes to help your learning stick.

QR codes are included throughout the booklet to support you in researching the information you need to complete the activities. You will need to download a free QR code scanner to your mobile phone or tablet. Just go to your app store and search for “QR Code scanner” and download a free one.

After each section in this booklet there is a summary page for you to record the main points for each sub-topic. We recommend you use dual coding for this. Dual coding sounds a bit complicated, however, it's not. It simply involves combining text and images when you are studying. There are many ways you can present text and images, such as with infographics, timelines, cartoon strips, diagrams, and graphic organisers. We've pulled together a guide to help you do this with examples on Internet Geography. Either go to <https://www.internetgeography.net/dual-coding/> or scan the QR code below.



Introduction to coastal landscapes

There are a number of key words you need to know about coastal landscapes.

Complete the key terms list below by adding the correct definitions.

Coast	
Wave	
Coastal erosion	
Coastal deposition	
Coastal transportation	
Hard engineering	
Soft engineering	



Check your learning

Head over to www.internetgeography.net/wb25 and complete the key word quiz. Add your score for quiz 1 on the recording sheet.

Waves



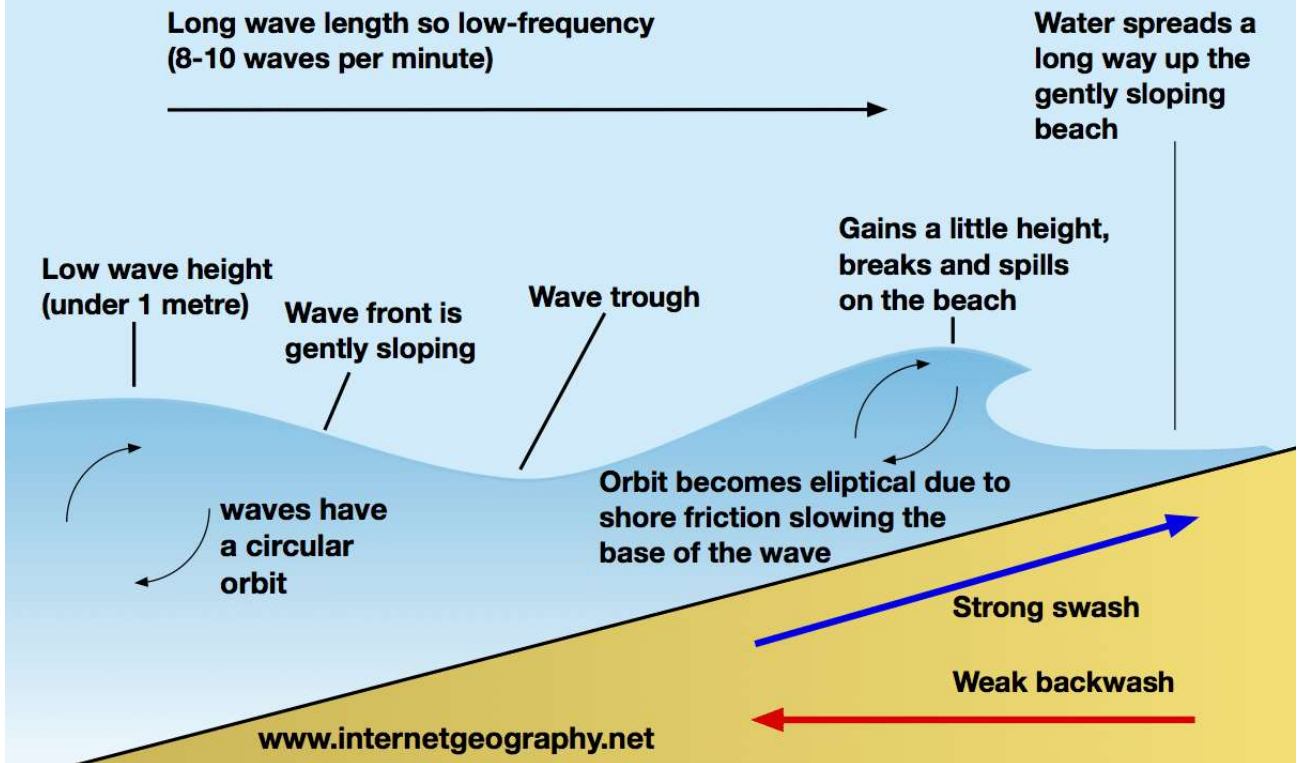
What is a wave?

What is the fetch of a wave?

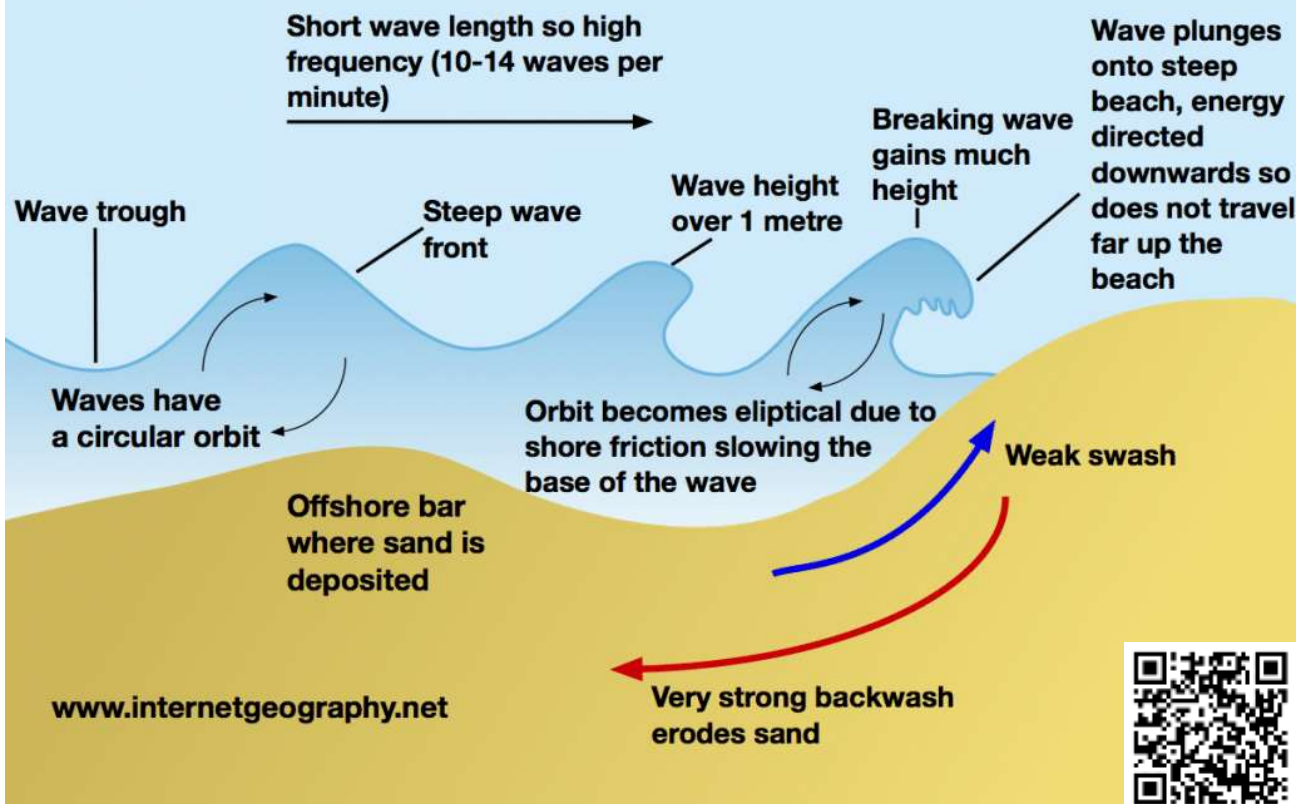
What factors affect the size of a wave?

Produce an annotated sketch to show the main features of a wave.

Constructive Wave



Destructive Wave



Using the images on the previous page, complete the table below to show the main characteristics of constructive and destructive waves.

Wave Characteristics	Constructive waves	Destructive waves
Wave frequency		
Wave height		
Wave length		
Type of wave (plunging or spilling)		
Strength of swash		
Strength of backwash		
Beach sediment – gain or loss		



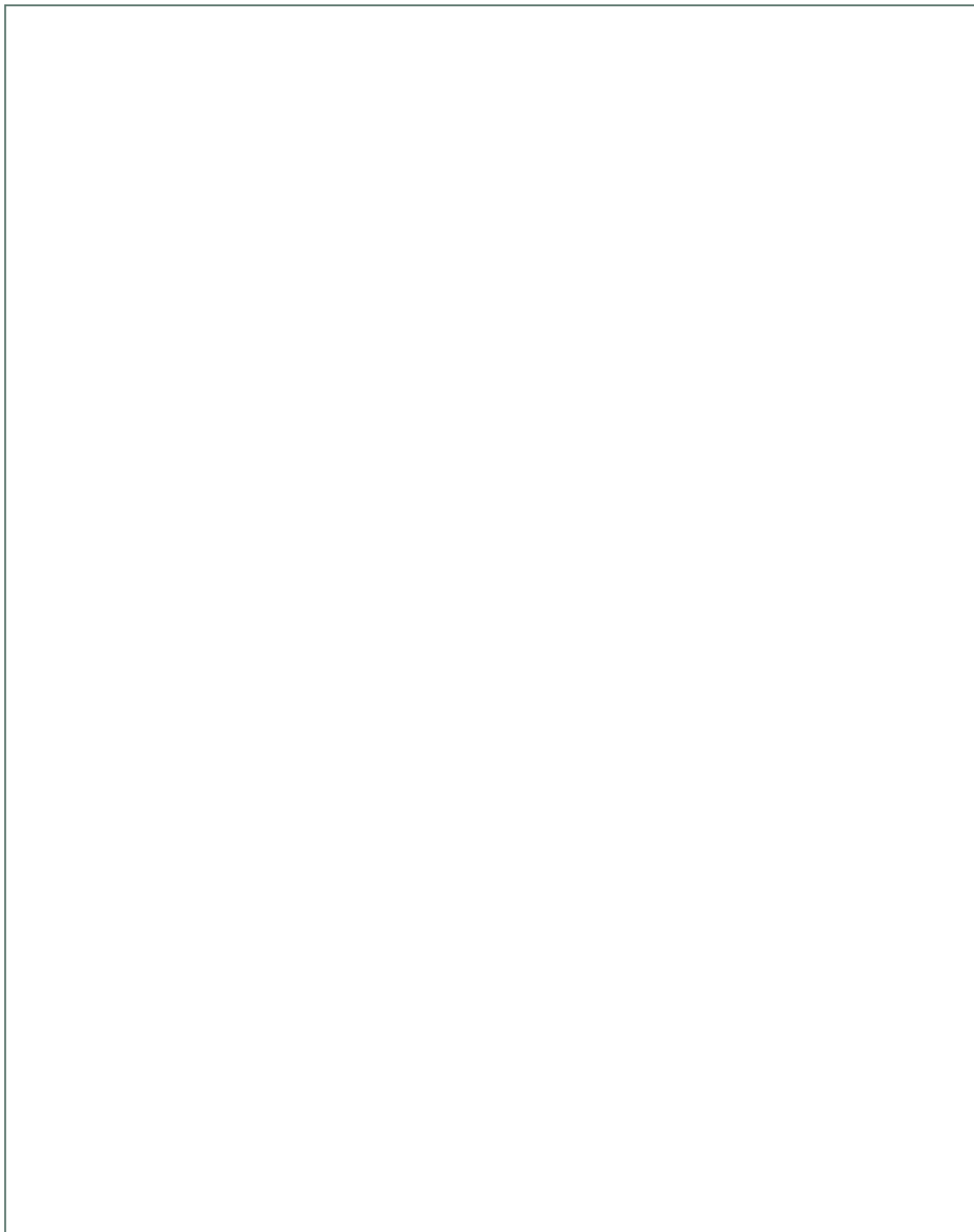
Check your learning

Head over to www.internetgeography.net/wb26 and complete the key word quiz. Add your score for quiz 2 on the recording sheet.

Dual coding

Use dual coding to summarise what you have studied in this section. Take a look at

<https://www.internetgeography.net/dual-coding/>

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Weathering



What is weathering?

What is mechanical weathering?

Draw an annotated diagram to show the process of freeze-thaw weathering.

Explain the process of salt weathering.

What is chemical weathering?

Provide an outline of carbonation weathering, hydrolysis and oxidation.



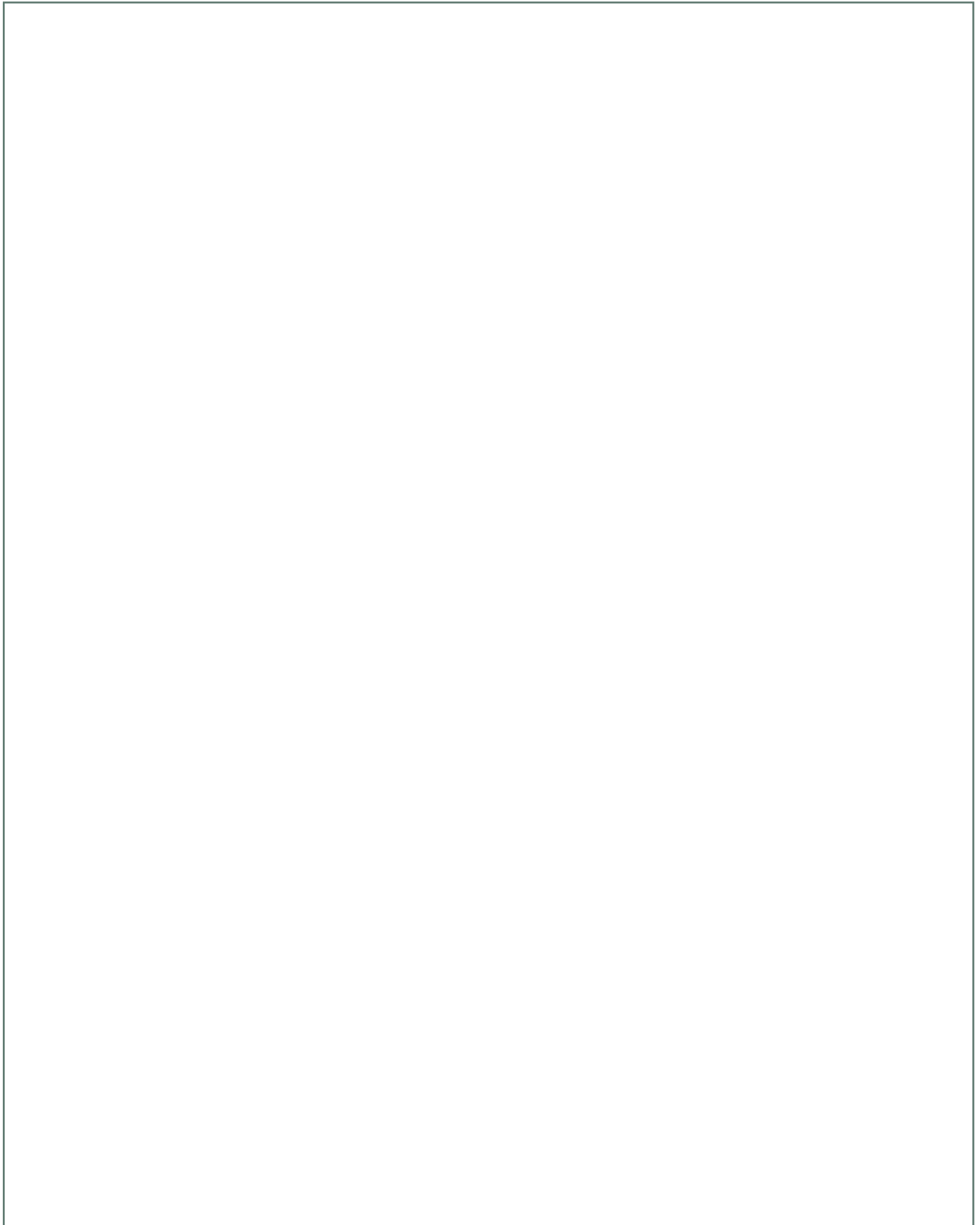
Check your learning

Head over to www.internetgeography.net/wb27 and complete the key word quiz. Add your score for quiz 3 on the recording sheet.

Dual coding

Use dual coding to summarise what you have studied in this section. Take a look at

<https://www.internetgeography.net/dual-coding/>

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Mass Movement



What is mass movement?

Draw an annotated diagram to explain each type of mass movement.

Rockfall	Landslide
Mud slide	Slumping



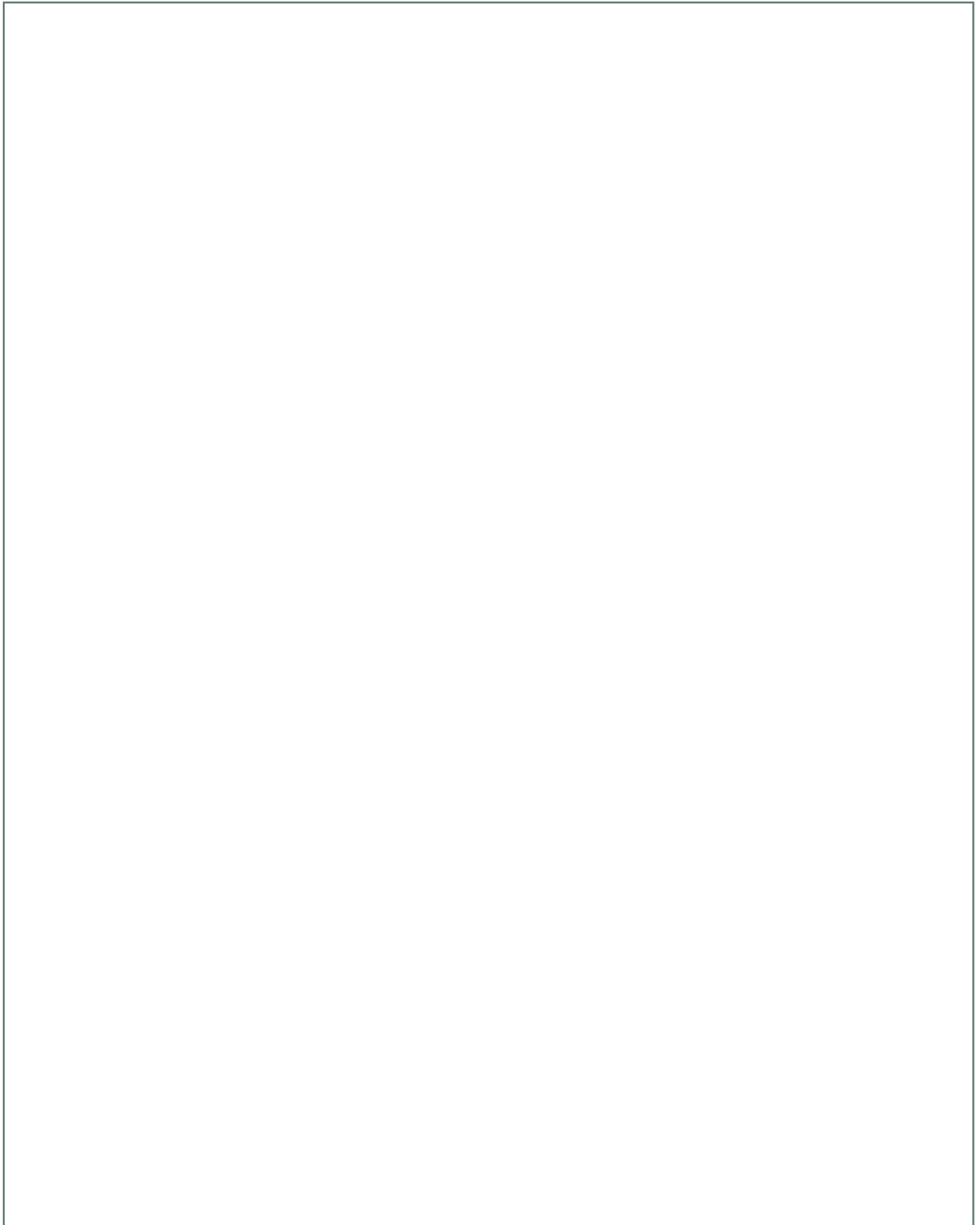
Check your learning

Head over to www.internetgeography.net/wb28 and complete the key word quiz. Add your score for quiz 4 on the recording sheet.

Dual coding

Use dual coding to summarise what you have studied in this section. Take a look at

<https://www.internetgeography.net/dual-coding/>

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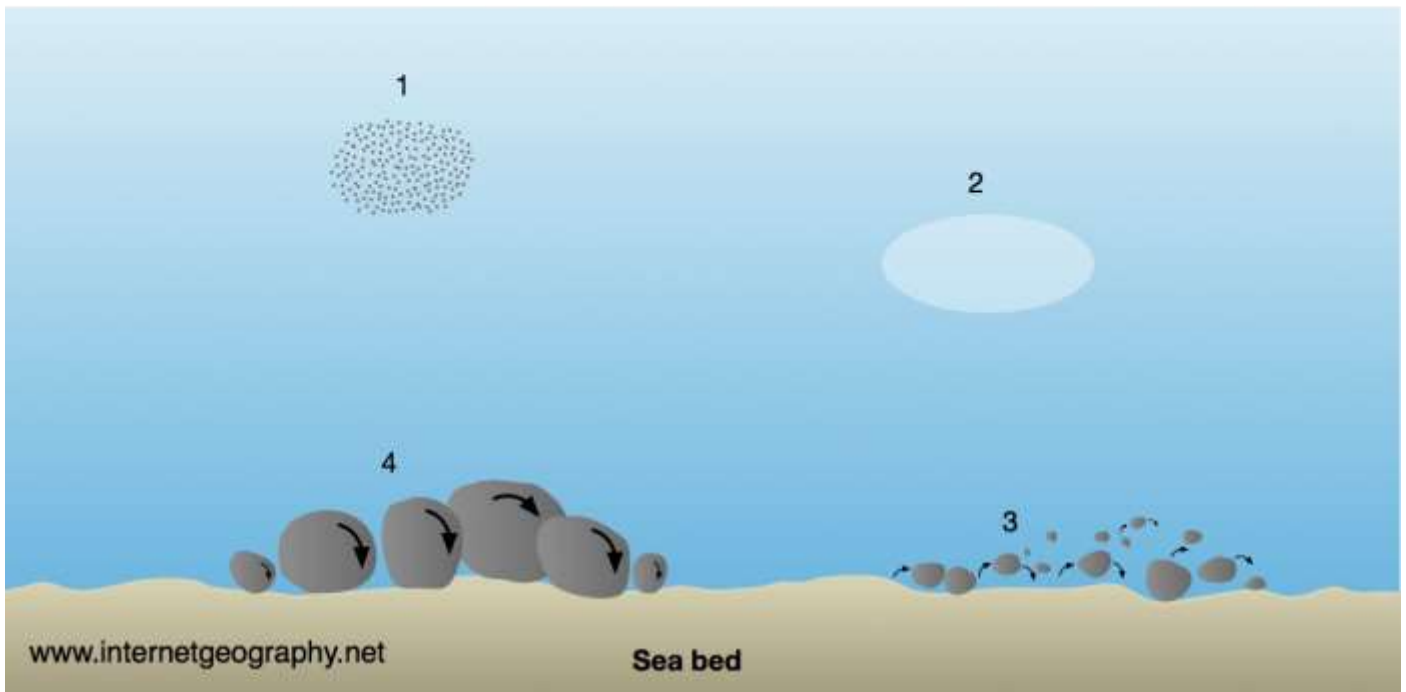
Coastal Processes



Complete the table below to describe the four main processes of coastal erosion.

Hydraulic action	Abrasion
Attrition	Solution

Describe the 4 ways material can be transported by the sea.



1.

2.

3.

4.

What is longshore drift?



Using an annotated diagram explain the process of longshore (littoral) drift

What is coastal deposition?



Give three reasons why coastal deposition can occur.



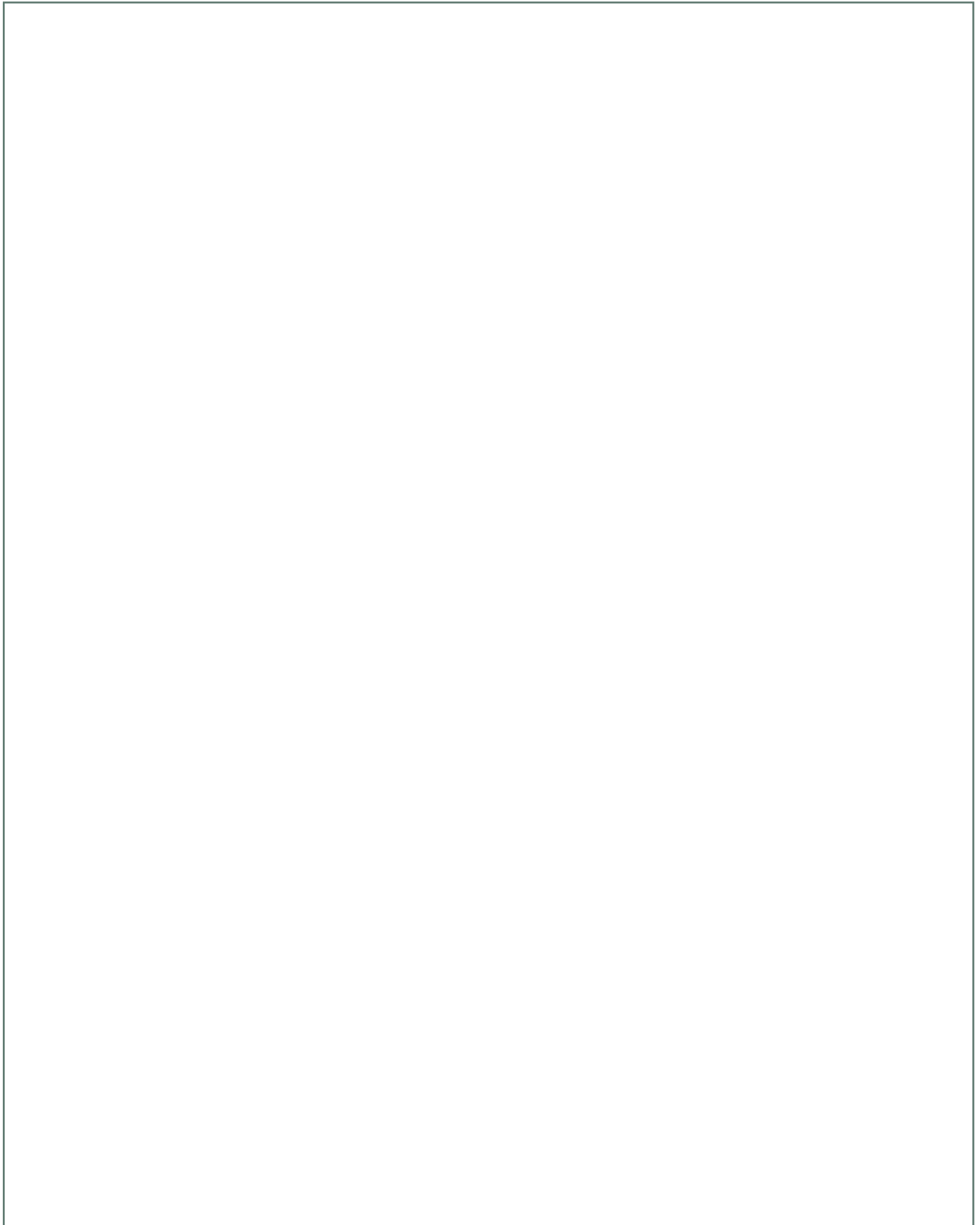
Check your learning

Head over to www.internetgeography.net/wb29 and complete the key word quiz. Add your score for quiz 5 on the recording sheet.

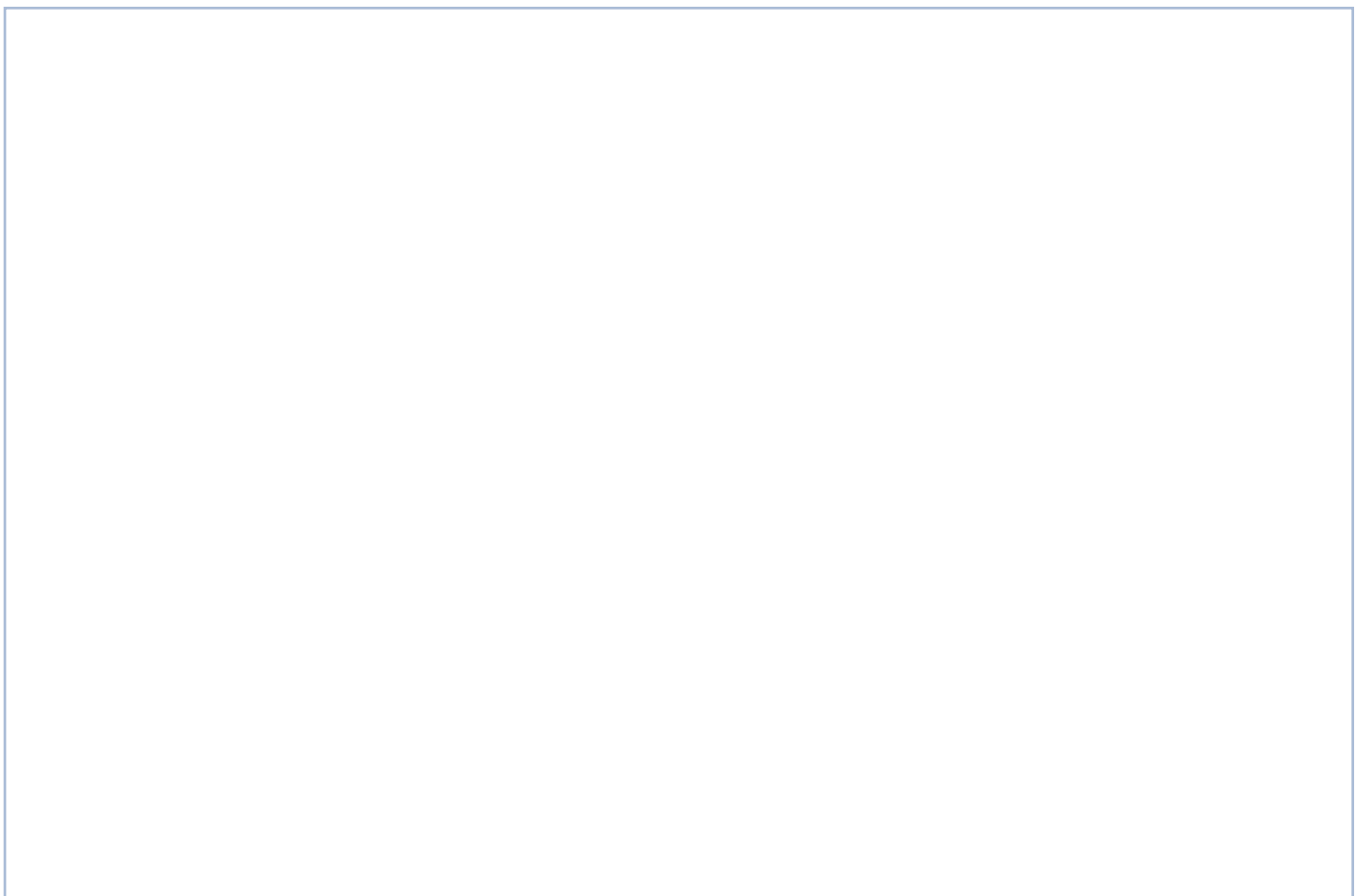
Dual coding

Use dual coding to summarise what you have studied in this section. Take a look at

<https://www.internetgeography.net/dual-coding/>

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In the space provided produce an annotated diagram to show what is likely to happen to this stretch of discordant coastline in the future.

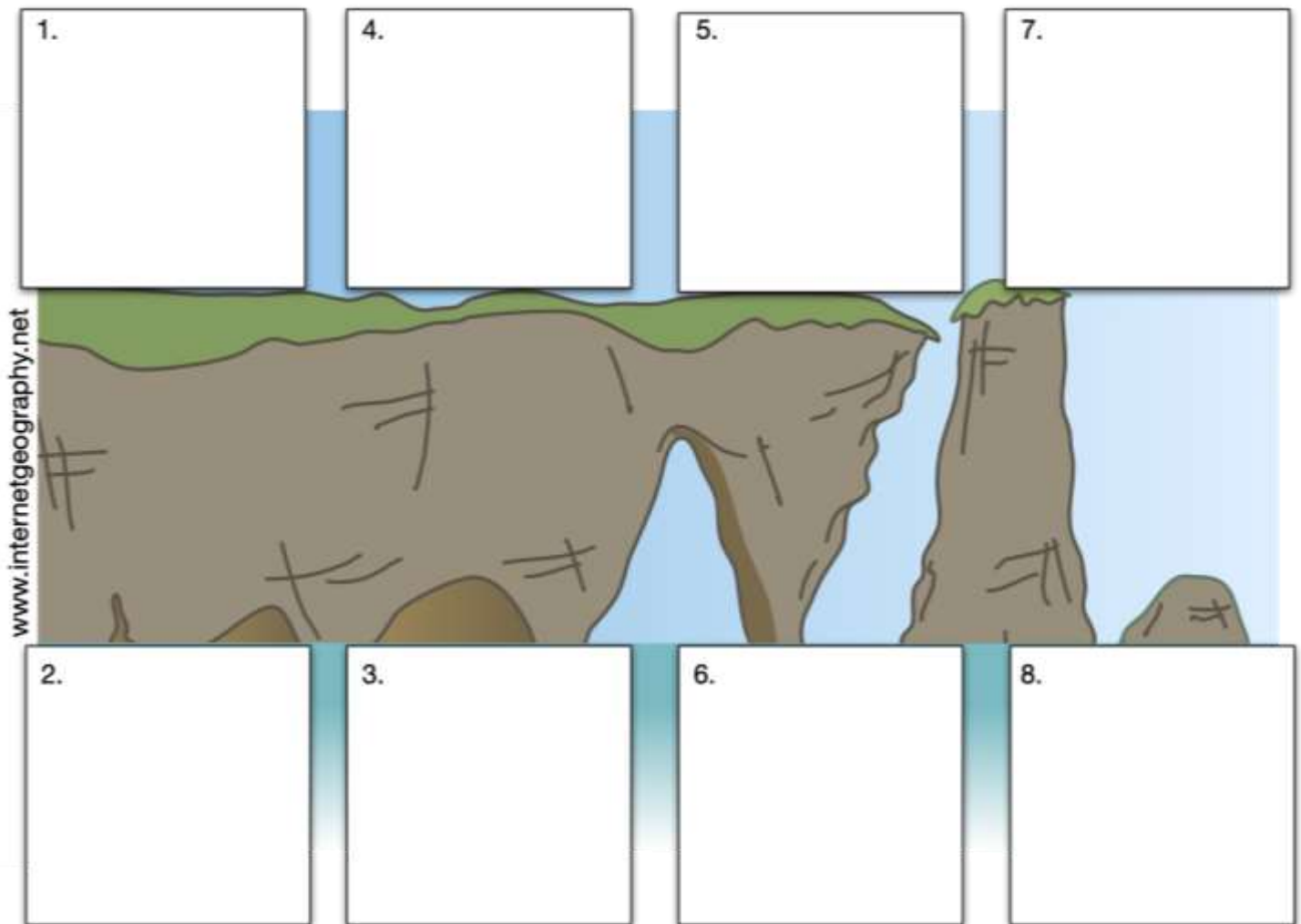


What is wave refraction and what is its impact on bays and headlands?



Using a diagram, explain the formation of a cliff and wave-cut platform.

Complete the diagram below to explain the erosion of a headland.



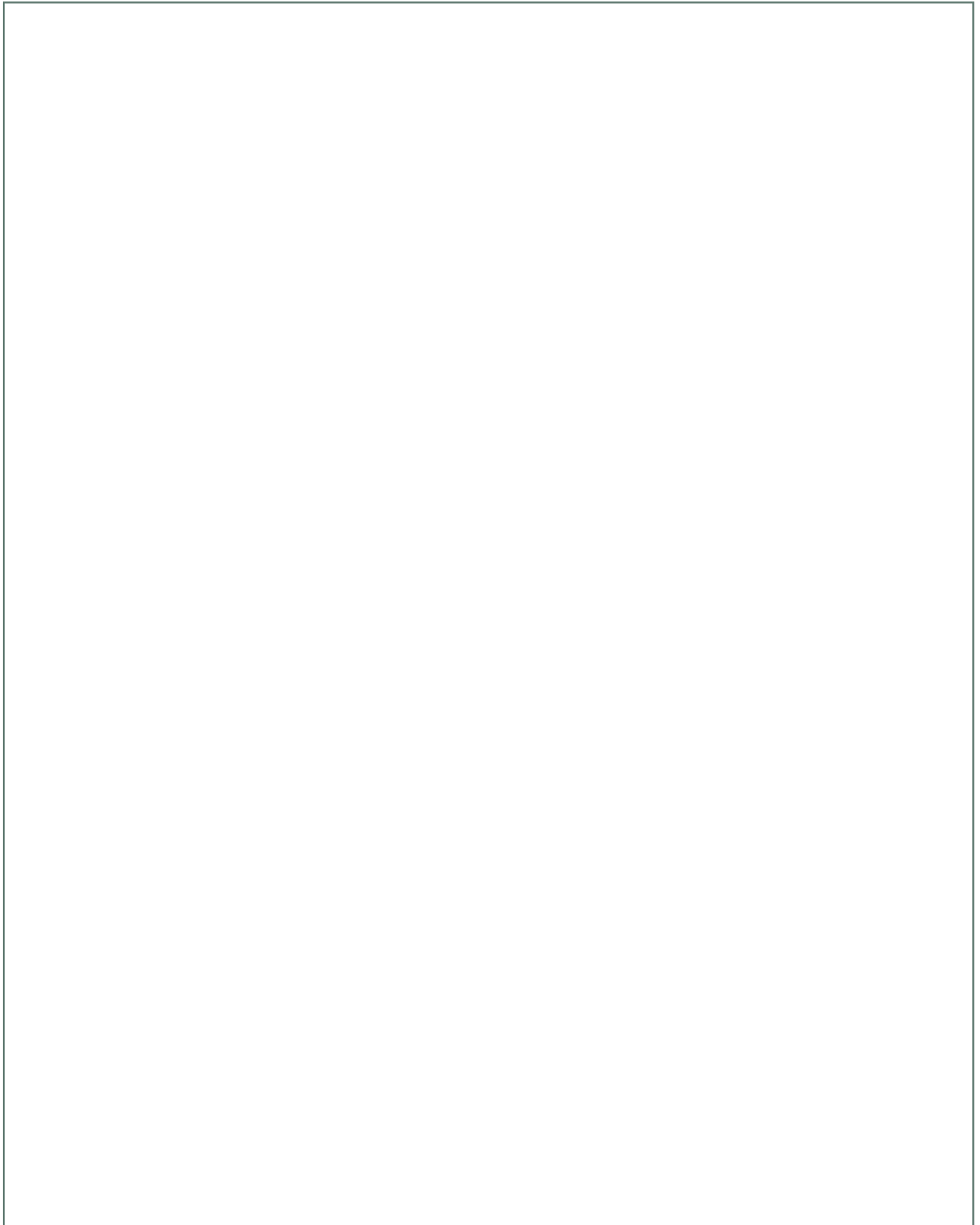
Check your learning

Head over to www.internetgeography.net/wb30 and complete the key word quiz. Add your score for quiz 6 on the recording sheet.

Dual coding

Use dual coding to summarise what you have studied in this section. Take a look at

<https://www.internetgeography.net/dual-coding/>

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Coastal landforms of deposition

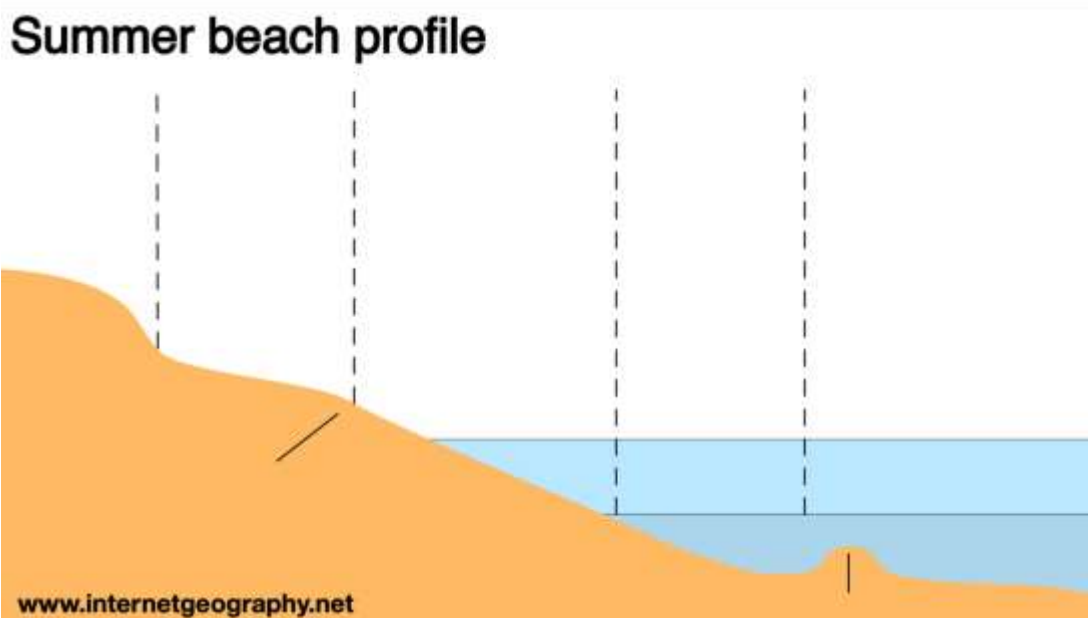
What is a beach?



Describe and explain the characteristics of a sandy beach.

Describe and explain the characteristics of a pebble beach.

Annotate the diagram below to show the main features of a beach.

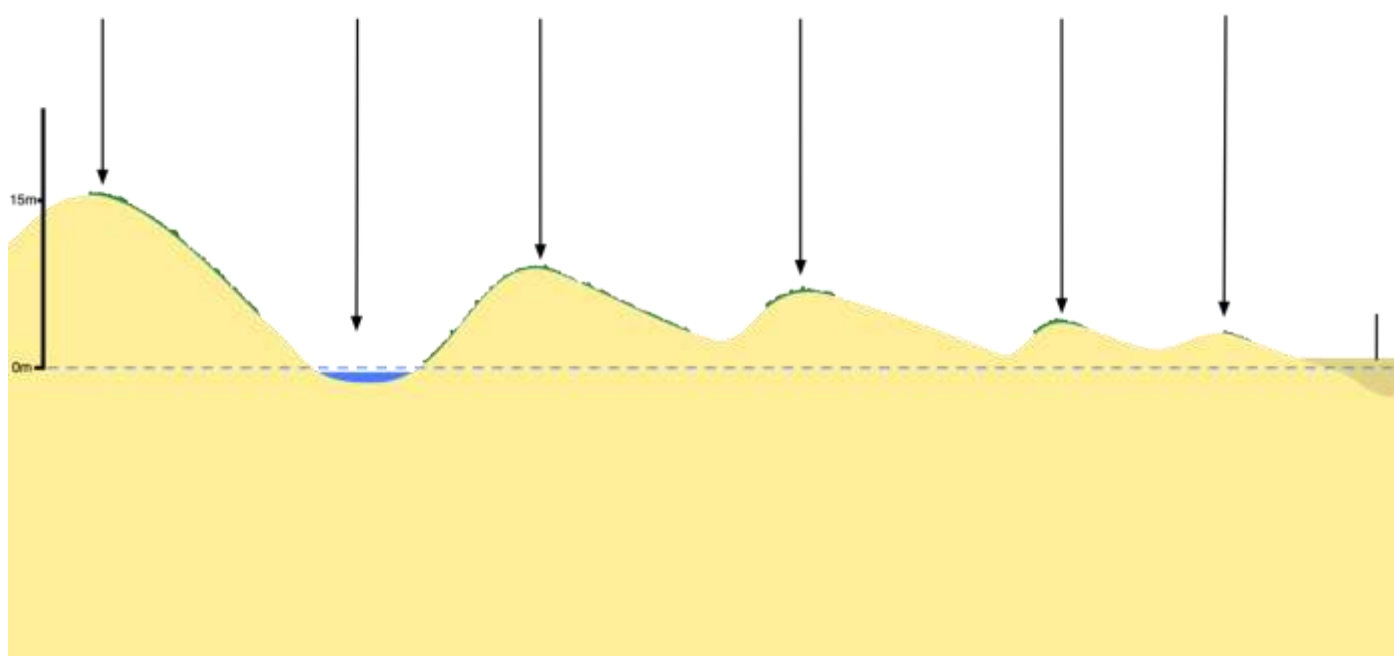


What is a sand dune?



Explain the formation of sand dunes.

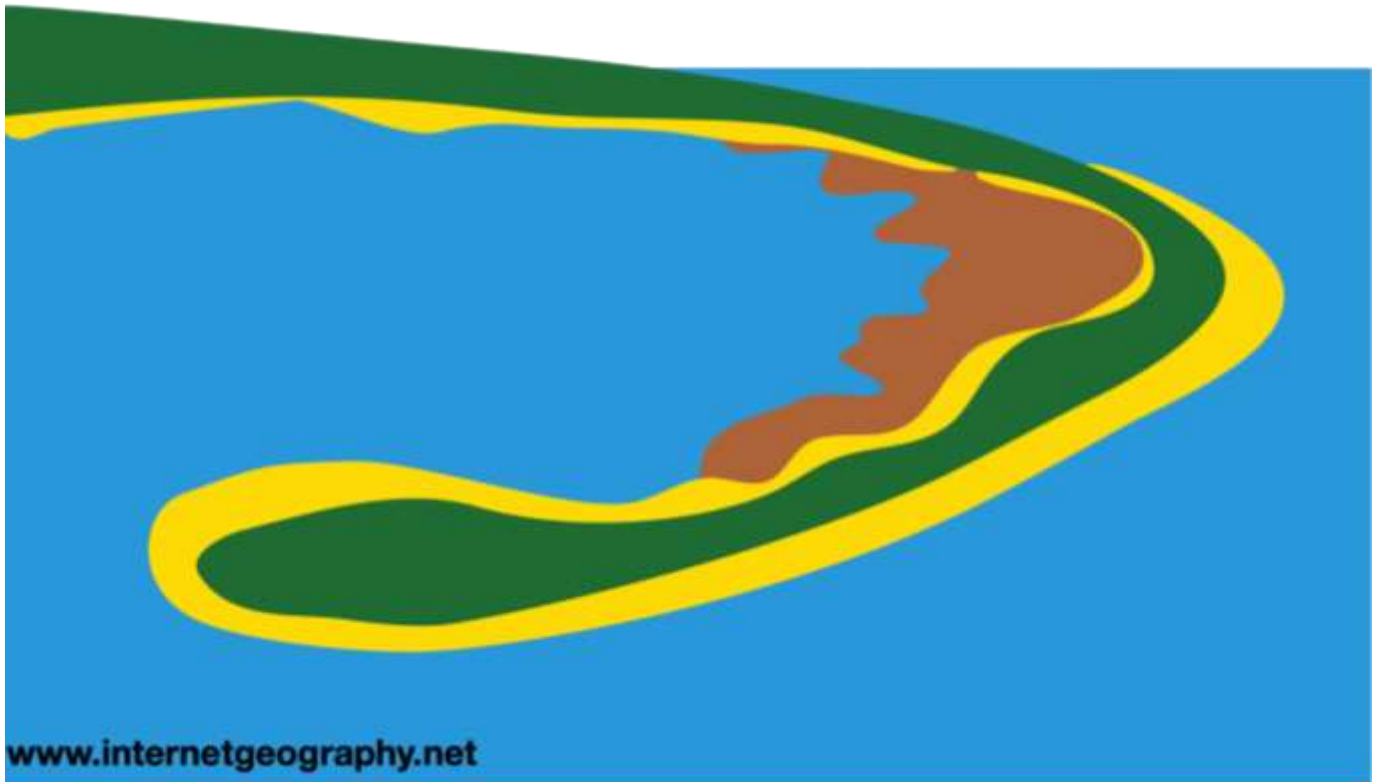
Label the diagram below to show how sand dunes change inland.



What is a coastal spit?

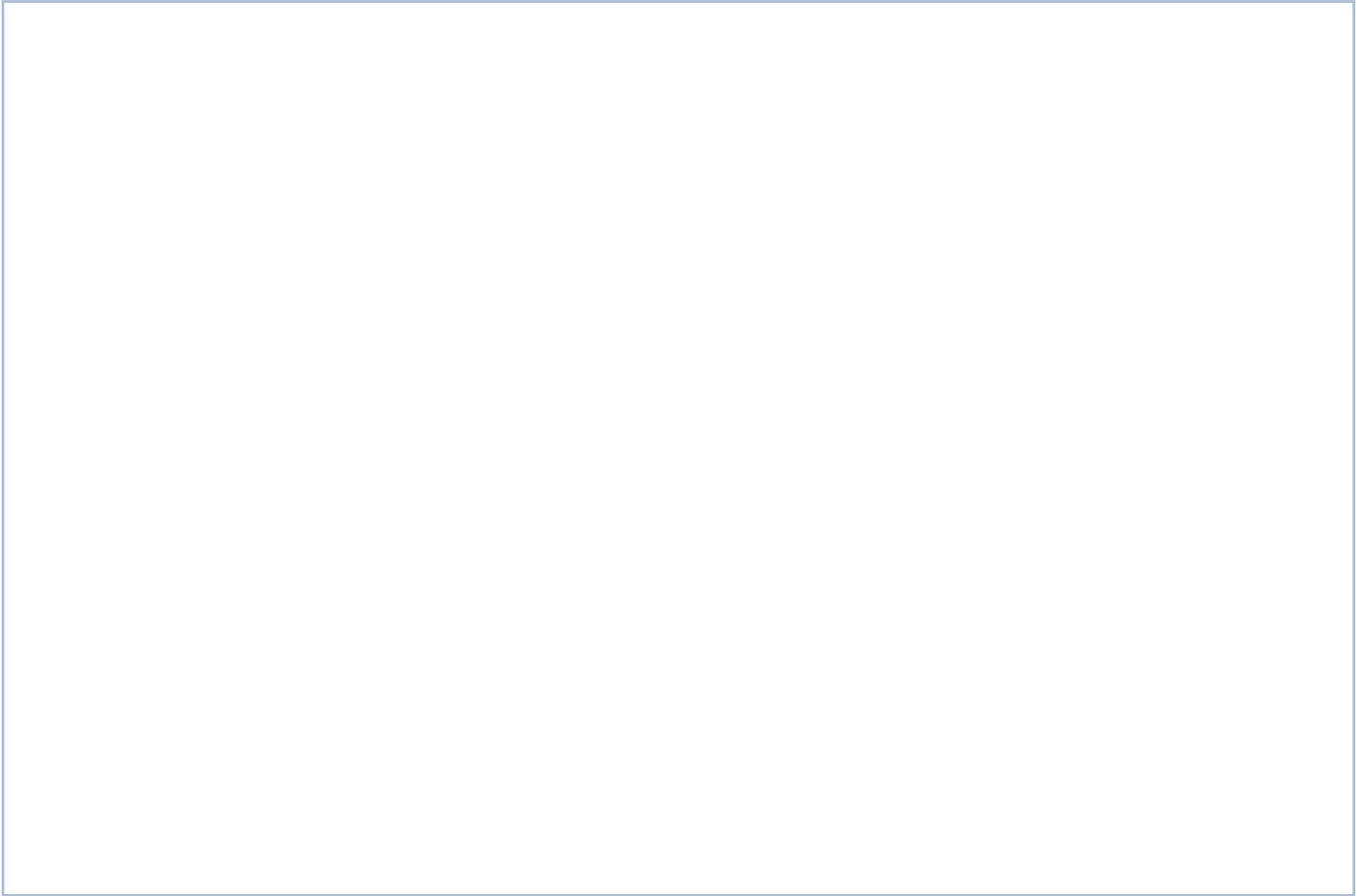


Annotate the diagram below to explain the formation of a spit.



What is a coastal bar?

Draw a diagram to show the formation of a bar.



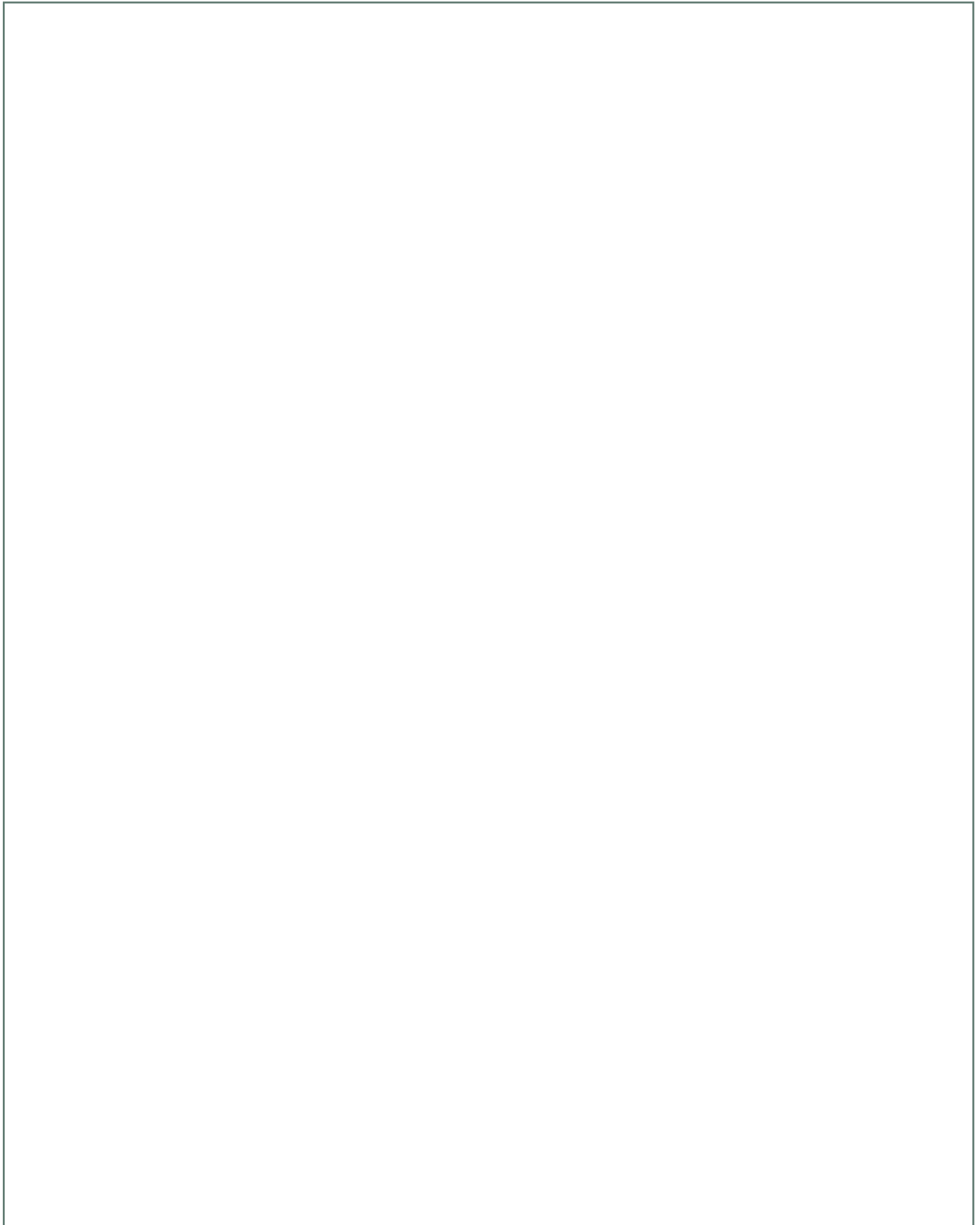
Check your learning

Head over to www.internetgeography.net/wb31 and complete the key word quiz. Add your score for quiz 7 on the recording sheet.

Dual coding

Use dual coding to summarise what you have studied in this section. Take a look at

<https://www.internetgeography.net/dual-coding/>

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An example of a section of coastline in the UK to identify its major landforms of erosion and deposition.



The Holderness Coast

Describe the geology of the Holderness Coast

Describe the features found along the Holderness Coast from Flamborough Head in the north to Spurn Point in the south.

Location	Landforms of erosion/deposition
<p>Flamborough</p> 	

Hornsea



Spurn Point



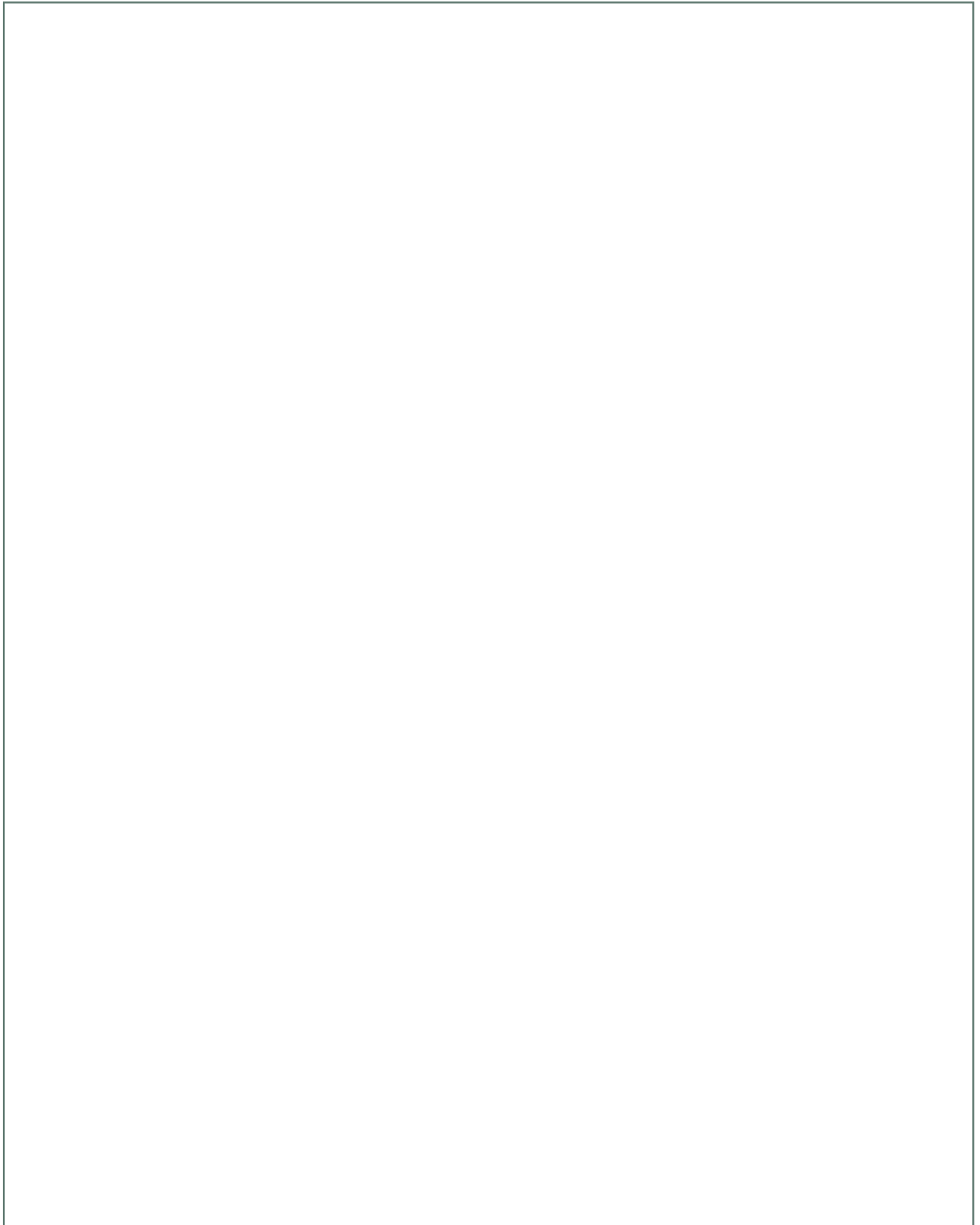
Check your learning

Head over to www.internetgeography.net/wb32 and complete the key word quiz. Add your score for quiz 8 on the recording sheet.

Dual coding

Use dual coding to summarise what you have studied in this section. Take a look at

<https://www.internetgeography.net/dual-coding/>

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Coastal management strategies

Give a brief outline of each of the four coastal management options are.

Do nothing:

Hold the line:

Advance the line:

Managed retreat:



Complete the table below about the main hard engineering strategies.

Strategy	Sketch	Costs	Advantages
Sea wall			
Rock armour			
Gabions			
Groynes			



Complete the table below about the main soft engineering strategies.

Strategy	Sketch	Costs	Advantages
Beach nourishment and reprofiling			
Dune regeneration			



What is managed retreat?

What are the costs and benefits of managed retreat?

Costs	Benefits



Check your learning

Head over to www.internetgeography.net/wb33 and complete the key word quiz. Add your score for quiz 9 on the recording sheet.

Dual coding

Use dual coding to summarise what you have studied in this section. Take a look at

<https://www.internetgeography.net/dual-coding/>

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An example of a coastal management scheme in the UK



Case study location: _____

Reasons for management

Management strategies

Effects of management strategies

Dual coding

Use dual coding to summarise what you have studied in this section. Take a look at

<https://www.internetgeography.net/dual-coding/>

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Check your learning recording table

	Attempt 1	Attempt 2	Attempt 3
Quiz 1 www.internetgeography.net/wb25/	/7	/7	/7
Quiz 2 www.internetgeography.net/wb26/	/10	/10	/10
Quiz 3 www.internetgeography.net/wb27/	/8	/8	/8
Quiz 4 www.internetgeography.net/wb28/	/8	/8	/8
Quiz 5 www.internetgeography.net/wb29/	/13	/13	/13
Quiz 6 www.internetgeography.net/wb30/	/10	/10	/10
Quiz 7 www.internetgeography.net/wb31/	/10	/10	/10
Quiz 8 www.internetgeography.net/wb32/	/9	/9	/9
Quiz 9 www.internetgeography.net/wb33/	/10	/10	/10