

WELCOME TO GCSE GEOGRAPHY



WHERE WILL IT TAKE US TODAY?

TOPIC 3: DISTINCTIVE LANDSCAPES

3.2a: WHAT PHYSICAL PROCESSES SHAPE LAND-SCAPES?

a ii) The formation of depositional coastal landforms

06/06/2018

Let's get started: A question of 'coastal landforms'



- Name the landforms**
- Which is the 'Odd One Out'? Why?**
- Can you name any places in the UK that you have visited that have these landforms?**

LEARNING IS SUCCESSFUL WHEN I ...

Know:

- ✓ What beaches and spits are

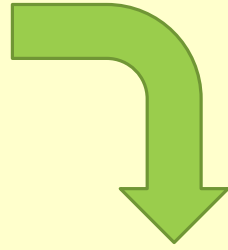
Understand:

- ✓ How they form

Employability Skills:

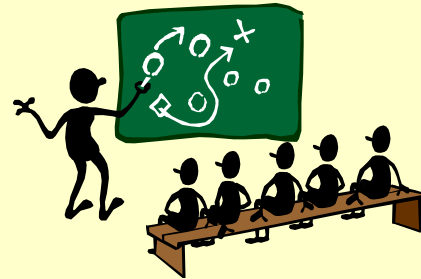
- ✓ Resilience/Determination





PRESENT NEW INFORMATION

LOOK, LISTEN, LEARN





Beaches – what and why #1?

What?

Beaches are d_____ features.
 They are usually made from s_____ or sh_____
 They form in sh_____ areas along the coastline, often in b_____

Why?

To understand why they form we need to consider waves.
 There are two parts to a wave – these are ? and ?
 Together these move sediment along the coastline, aka a
 process called tr_____ or more technically
 L___ S___ D___

LSD sing along: <https://www.youtube.com/watch?v=6Sdj22vErkY>

<https://www.bbc.co.uk/education/clips/zhp4d2p>

<https://www.youtube.com/watch?v=U9EhVa4MmEs>



Swash 'n' Backwash double act

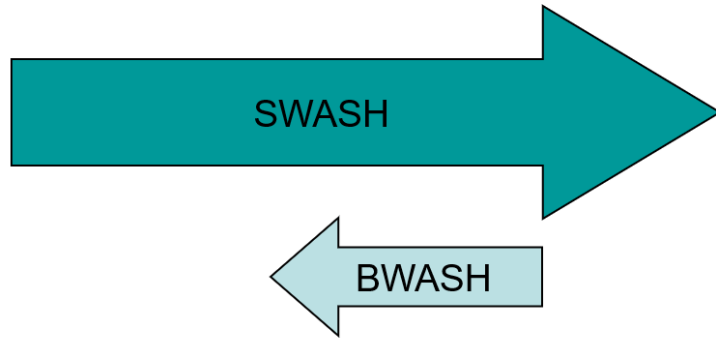


which is which?

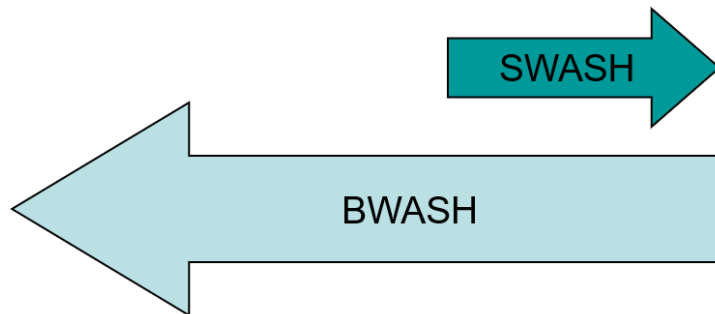
Beaches – what and why #2?

sea

land



Constructive or Destructive waves?



<https://www.youtube.com/watch?v=fkZB6EPw3ZI>

FACT: Waves carry sediment onto the beach with their SWASH and remove sediment from the beach with their BACKWASH.

OVER TO YOU:

1. Add the diagrams to your notes.
2. Label one set of arrows 'constructive' and one set 'destructive'
3. Which will increase the size of the beach? Why?



3.2a DCLF Constructive v Destructive ...



Spits – what and why #1?

What?

Spits are also depositional features.

They are usually made from s_____ or sh_____ and extend out from the coastline

Let's investigate ...

Watch the clip and be able to say:

- Where the spit is located and what its name is
- How & why it formed
- How environmentally important this landform is

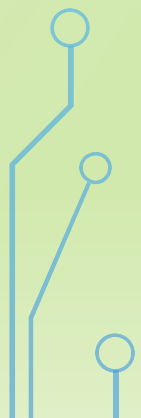
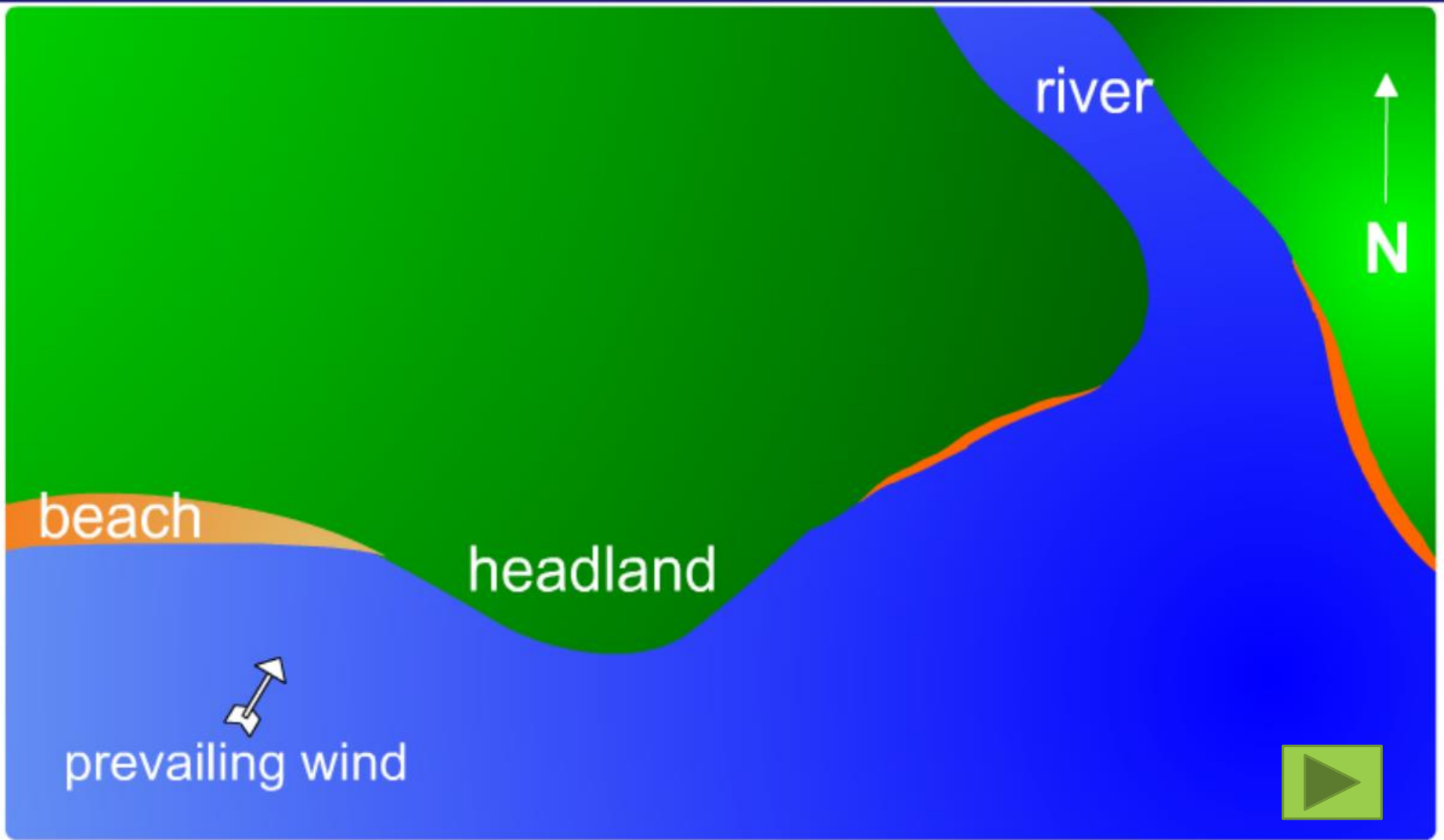
<http://www.bbc.co.uk/learningzone/clips/the-formation-of-spits/3246.html>

<https://www.bbc.co.uk/education/clips/zhp4d2p>



Spits – what and why #2?

5 mins



APPLY TO
DEMONSTRATE
SHOW THAT I UNDERSTAND



Depositional features: Beaches & Spits

Beaches

- Found between the HWM and the LWM
- Formed by C waves

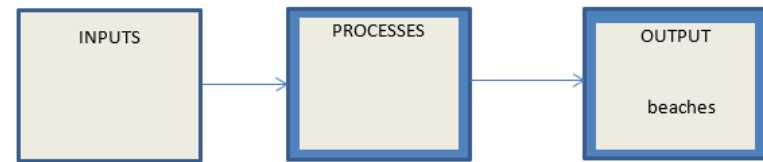
- Sandy beaches are F and W and GS
- Shingle beaches are L and N. They are S sloping

Systems diagram for a beach

Must: copy & complete this diagram

Should: revisit our previous learning – can you name any places with sand and or shingle beaches?

Could: check out google maps or similar – find out which of these FIVE towns in Norfolk have beaches - Cromer, West Runton, Overstrand, Sheringham, Cley



Spits

Systems diagram for a spit

Must: complete a systems diagram for a spit, use the model above to help you and your video knowledge

Should: draw an annotated diagram to show how the spit at Blakeney Point formed. Use the GCSE textbook [p87] to help you

Could: How environmentally important is the spit at Blakeney Point? Evidence your answer with at least TWO facts from the video.

SKILLS CHECK!

6
mins

How good are you at identifying coastal landforms on OS maps?

Draw the symbols that represent the following:

- a) Sandy beach
- b) Shingle beach
- c) Cliffs
- d) Wave cut platform
- e) Stack or stump



Get an OS map extract of the coast from your teacher, then see what features you can find for real

Give the 4 or 6 fig GR of those features



WHAT WOULD AN EXAM QUESTION LOOK LIKE?

6
mins



Describe the role of EITHER erosion or deposition in shaping the coastline. Refer to named landforms you have studied. [6 marks]

Steps to Success

BUGS the Question!

1. Choose E or D. Define it
2. Tell the examiner what landforms you are choosing
3. Describe the role of E or D in making that landform – e.g. is it the most important process? the only process involved? What else plays a part?



REVIEW

WHAT HAVE I LEARNT?



Something I don't really get from today's lesson is

Plenary:

4 and 6 fig GR of the spit?

Evidence that erosion is a problem?

Direction of LSD?

Environmentally important?

5 mins



Something I have totally nailed from today's lesson is

LEARNING IS SUCCESSFUL NOW I ...

Know:

- ✓ What headlands, bays, caves, arches, stacks and stumps are

Understand:

- ✓ How they form

Employability Skills:

- ✓ Resilience/Determination
- ✓ Team-work

