Geography

Our Changing World

Features of Coastlines
twinkl

Aim

- I understand how coastal features are formed.
- I can identify coastal features of the UK.

Success Criteria

- I can name some features of a coastline.
- I can explain how some coastal features are formed.
- I can explain how erosion and deposition form coastal features.

- I can name some famous UK coastal features.
- I can identify the location of some famous UK coastal features.

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Types of Weathering

Whole Class

Physical Weathering	Acidic rainwater falls onto rocks such as limestone. Over time it will dissolve some of the rock.	
Chemical Weathering	Roots from trees and other plants may grow into or under rocks with such force that they can cause damage or even split the rock in two!	
Biological Weathering	Rainwater collects in a crack in the rock. It freezes and forces the crack to widen. This freeze-thaw cycles repeats.	

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What Is a Coastline?

Whole Class

What is the definition of a coastline?

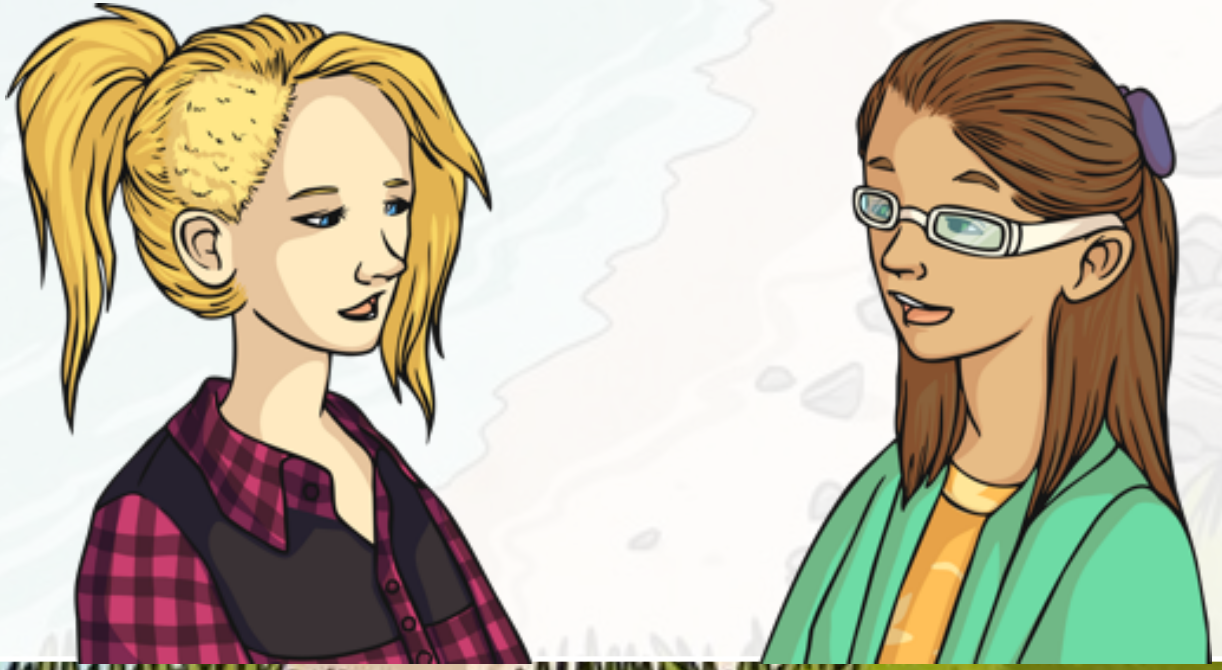
What would you expect to see at the coast?

What sorts of activities happen there?

Human Geography

What natural features might you see?

Physical Geography



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Features of Coastlines

coast

bay

headland

beach

dune

cave

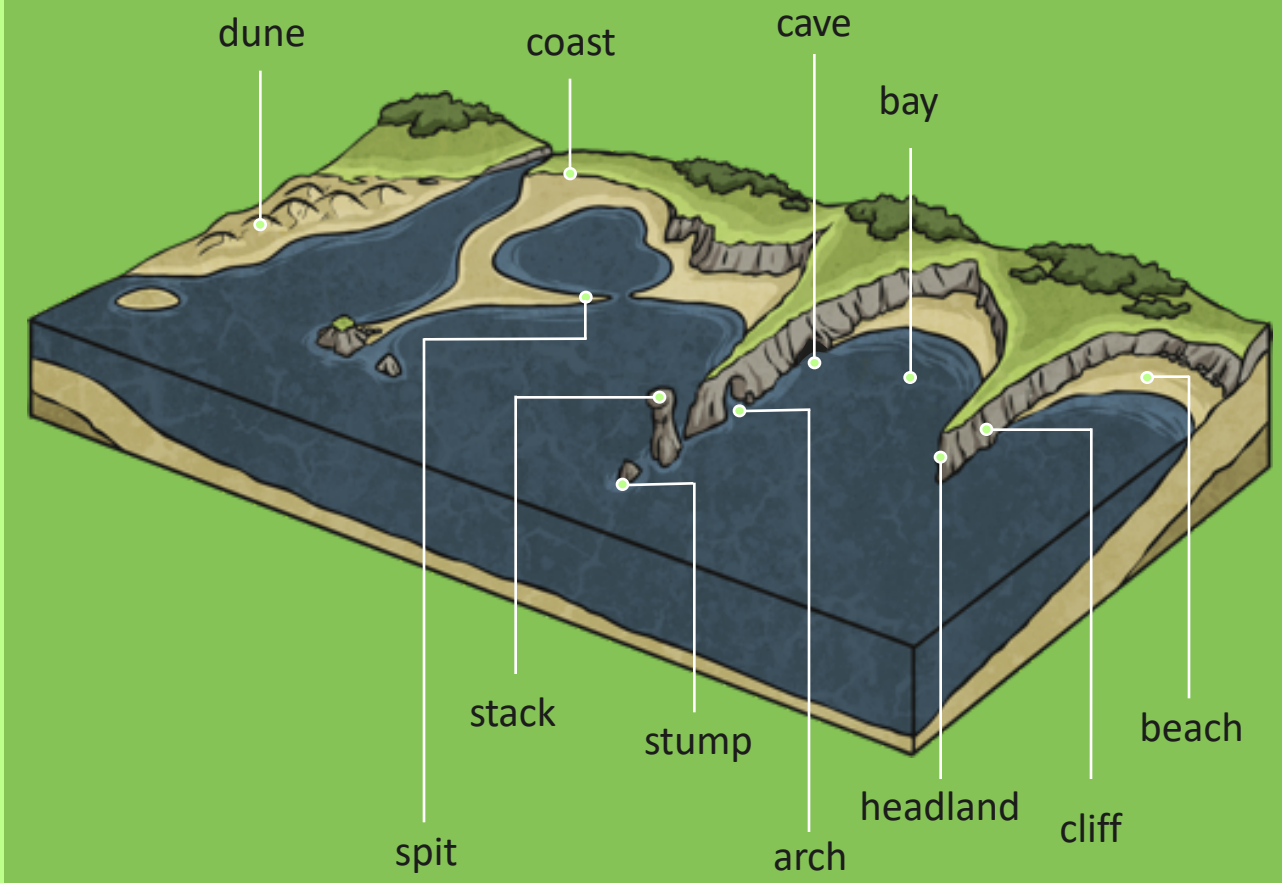
cliff

arch

stack

stump

spit



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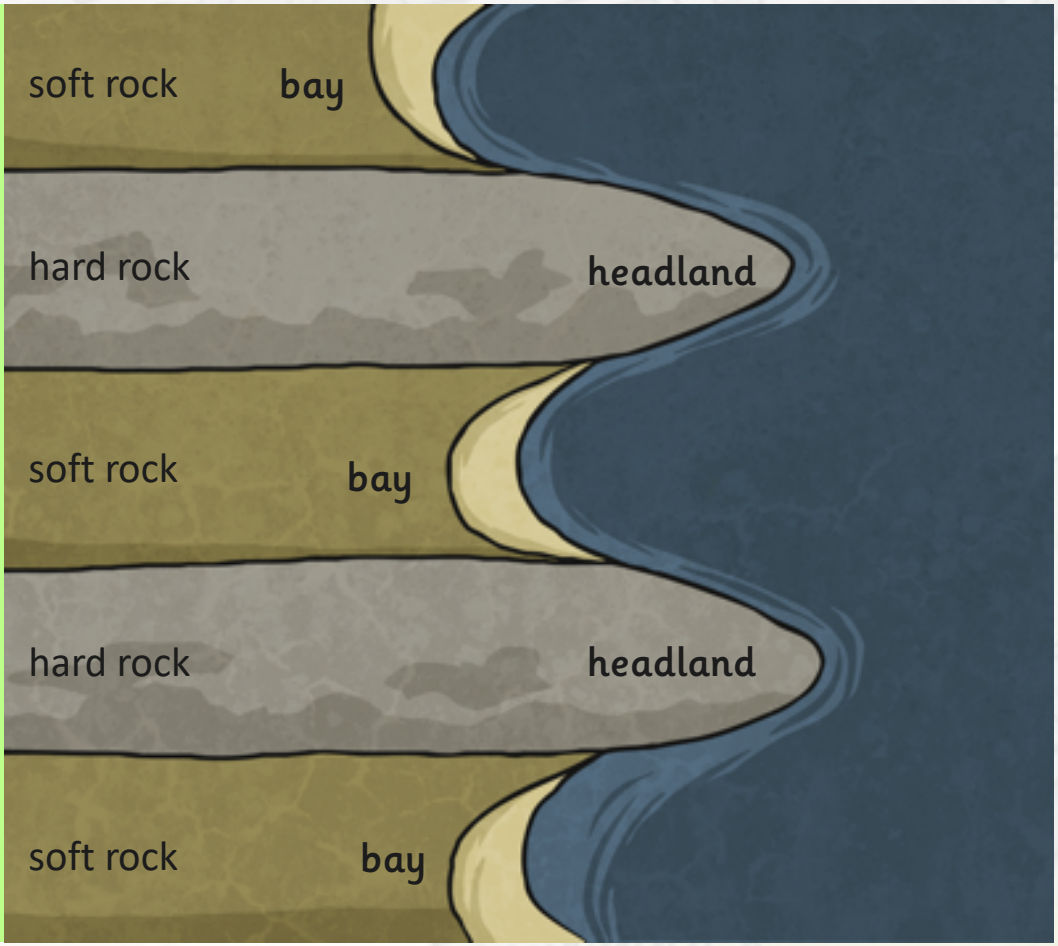
Features of Coastlines

Bay and Headland

If a coastline is made of sections of harder and softer rock, these will erode at different speeds when attacked by waves.

Where the softer rock has eroded more quickly, bays form.

The harder rock erodes more slowly, and forms headlands surrounding bays.



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Features of Coastlines

Whole Class

Watch this video to see how beaches form.

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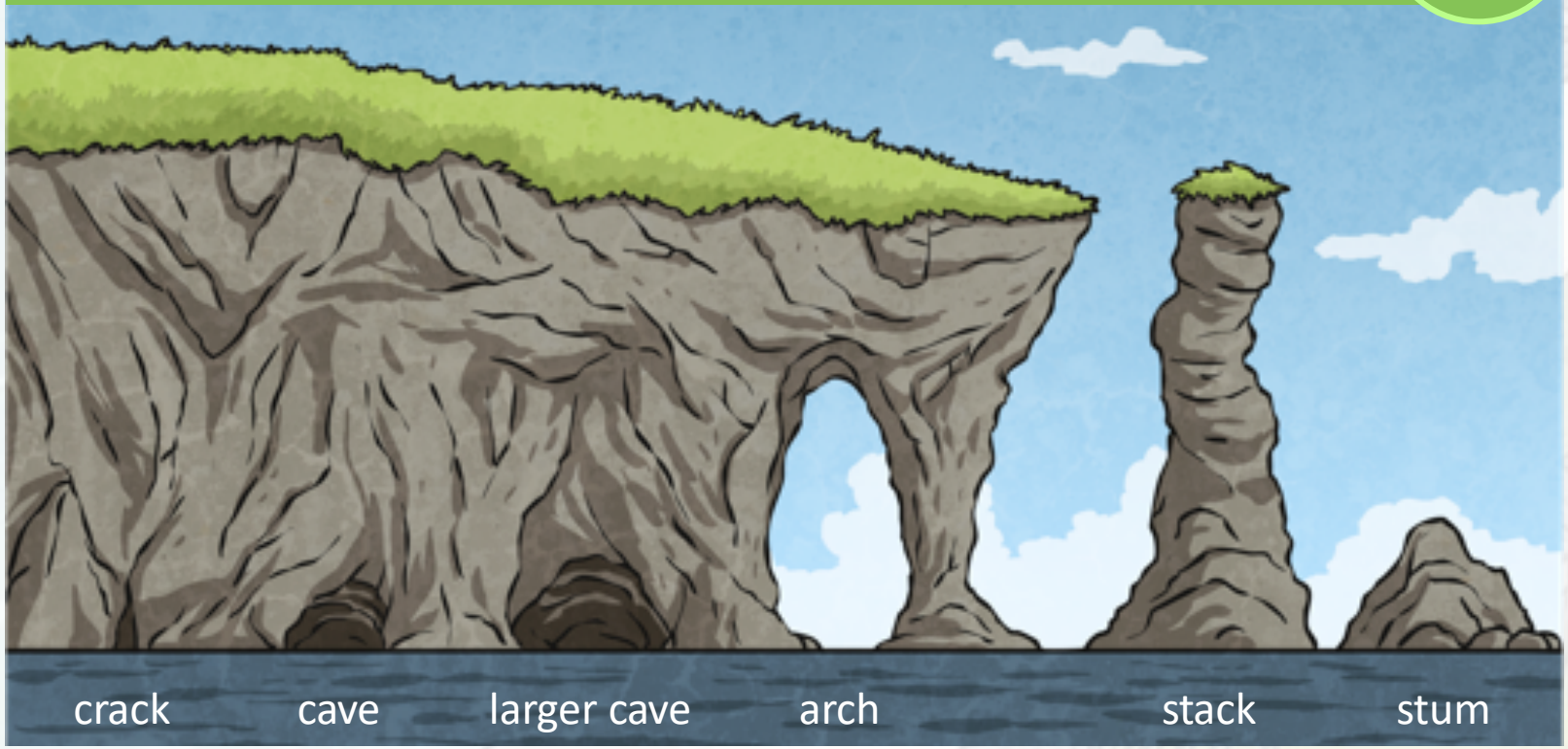
Features of Coastlines

Whole Class

Watch this video about caves, cliffs, arches, stacks and stumps.



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Features of Coastlines

Spit

A spit is formed by deposition.

1. The tide carries eroded material along the coastline coast
2. The deposits form a long, thin sandy area of land.
3. Changing winds may cause the spit to form a hook shape.
4. Mud flats develop on the inland side of the spit.

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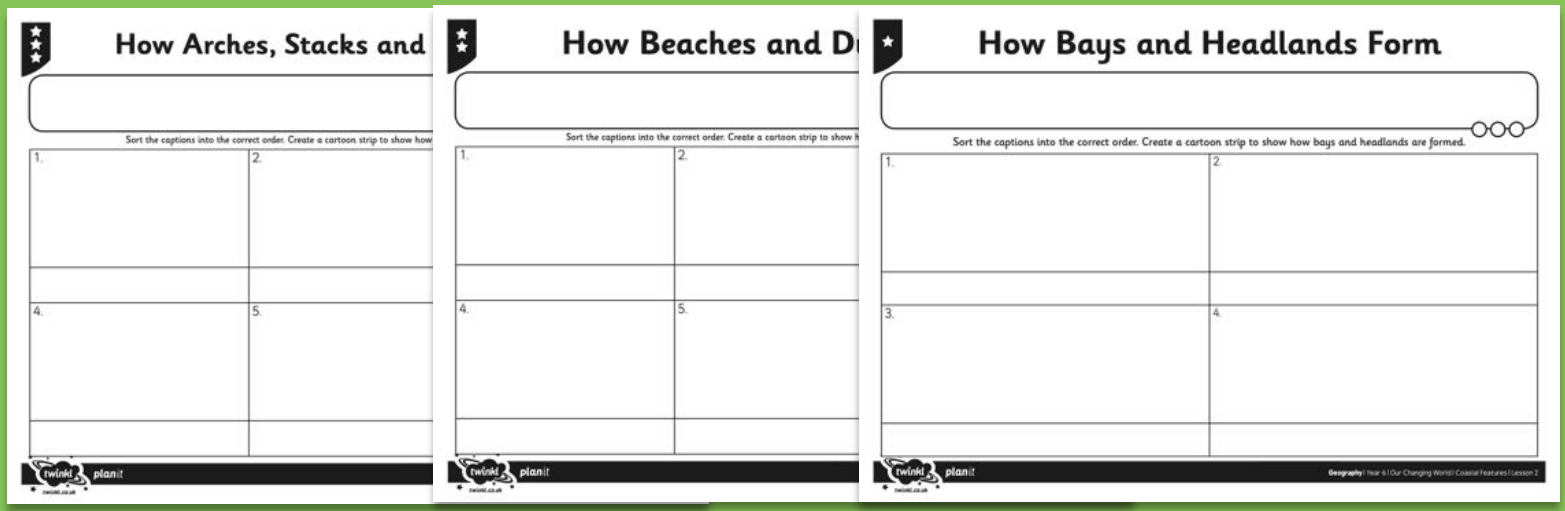
How Do Coastal Features Form?

Sort the captions into the correct order to show how coastal features are formed. Then create images to go with each caption.



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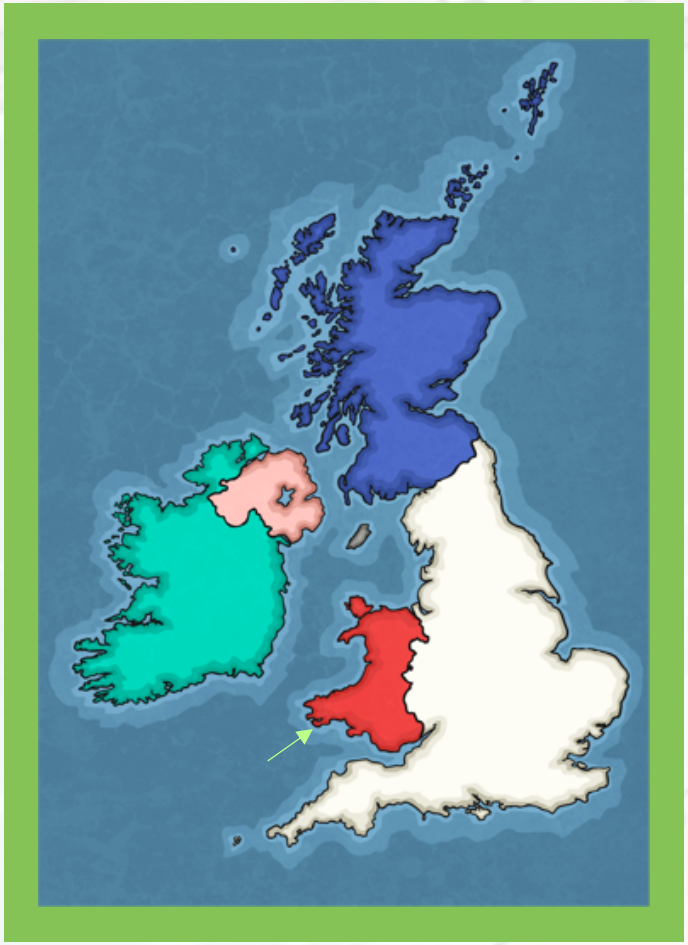
The UK Coast



Stack Rocks, Wales

- What features are shown?
- Where do you think they are found?
- Are they caused by erosion or deposition?

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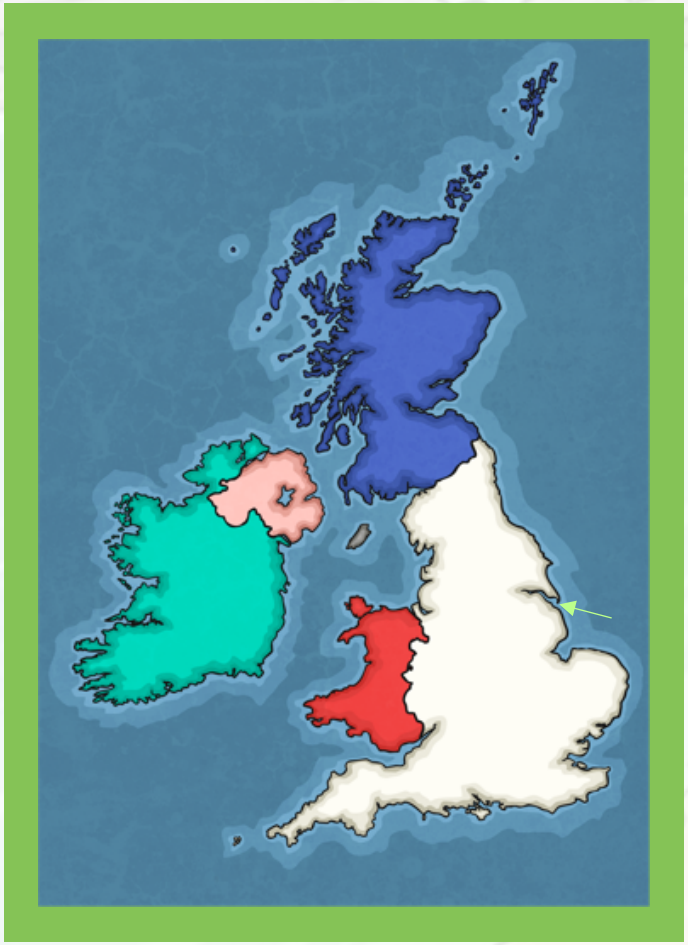
The UK Coast



Spurn Head, East Yorkshire

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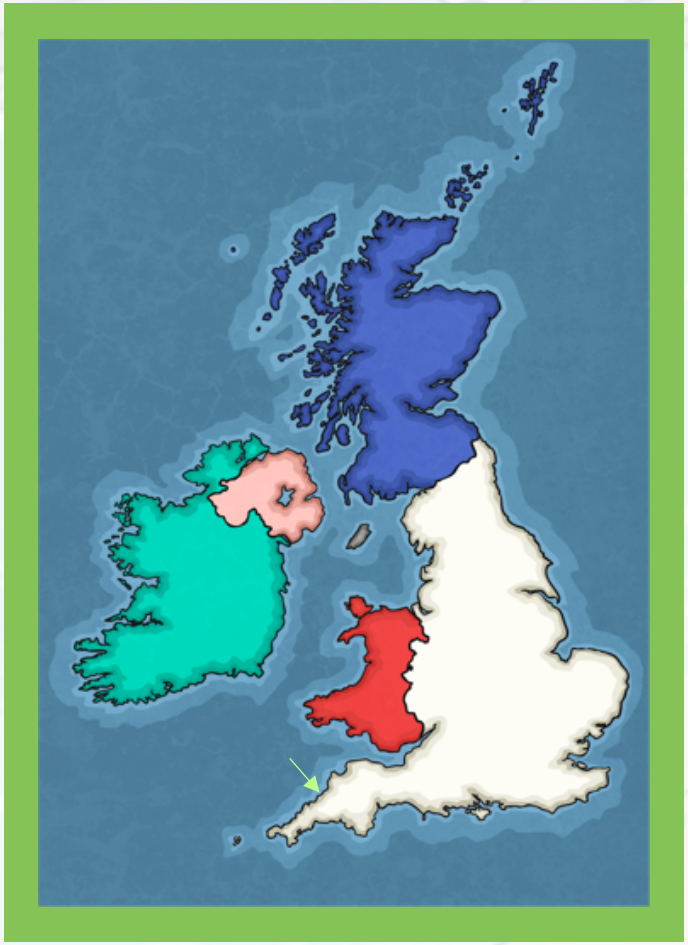
The UK Coast



Caves at Tintagel, Cornwall

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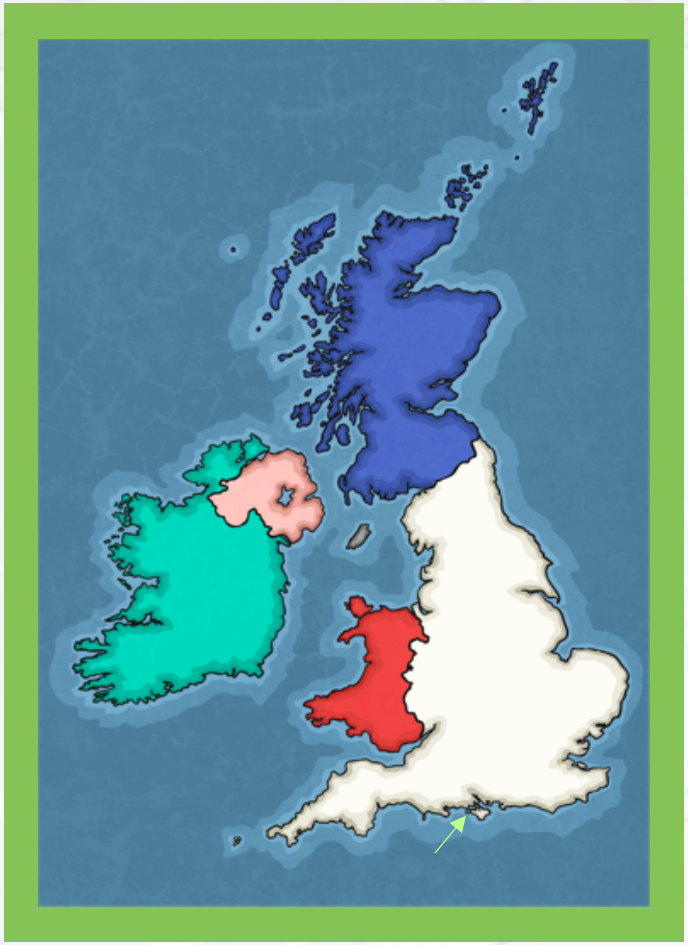
The UK Coast



The Needles (Stacks), Isle of Wight

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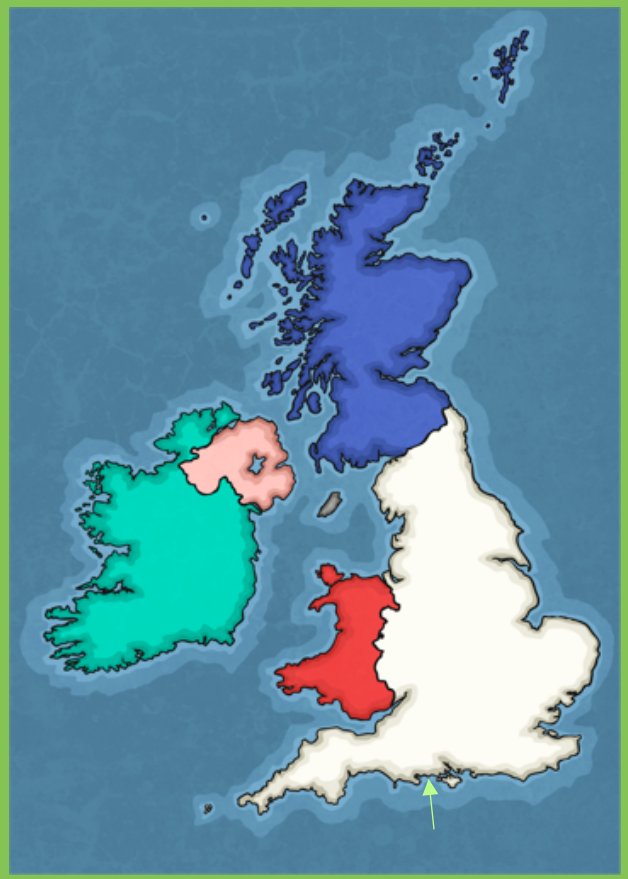

Durdle Door (arch located in a bay), Dorset

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