

Year 7 – Coasts

First – answers! I hope you managed to successfully match the coastal features to the pictures.

Coastal features

Tombolo



1. St Ninian's, Shetland, Scotland

Beach



2. Kerala, India

Cave, arch and stack!



4. The Green Bridge of Wales, Pembrokeshire

Cliff



7. Phi Phi Island, Krabi, Thailand

Bay



5. Elliot Bay, New Zealand

Spit



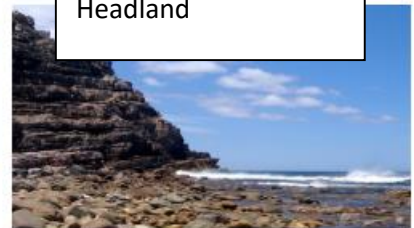
8. Klamath River Mouth, America

Salt marsh



3. Keyhaven Nature Reserve, UK

Headland



6. Cape of Good Hope, South Africa

Peninsula



9. Cap-Vert, Senegal

Waves

Waves are extremely important when it comes to shaping the coast.

But how do they form?



The wind blows over the sea.

Wind against water causes friction.

The surface water is pushed in the direction of the wind.

A wave is formed.

Task 2:

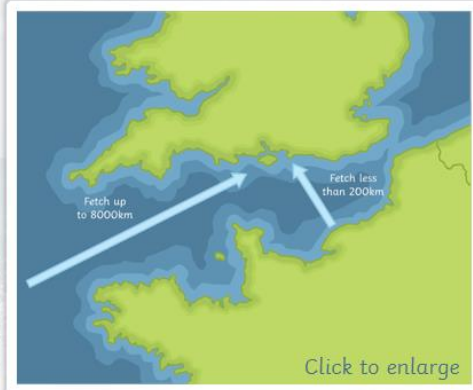
Waves are a key driving force in how a beach is formed and a beaches appearance. Waves can come in all different forms, but, how are they formed? Read the slide to the left for more information.

Some Waves Are Bigger Than Others

Key factors in the strength of the wave:

- The strength of the wind
- The fetch

The fetch is the distance the wind has travelled across the sea.



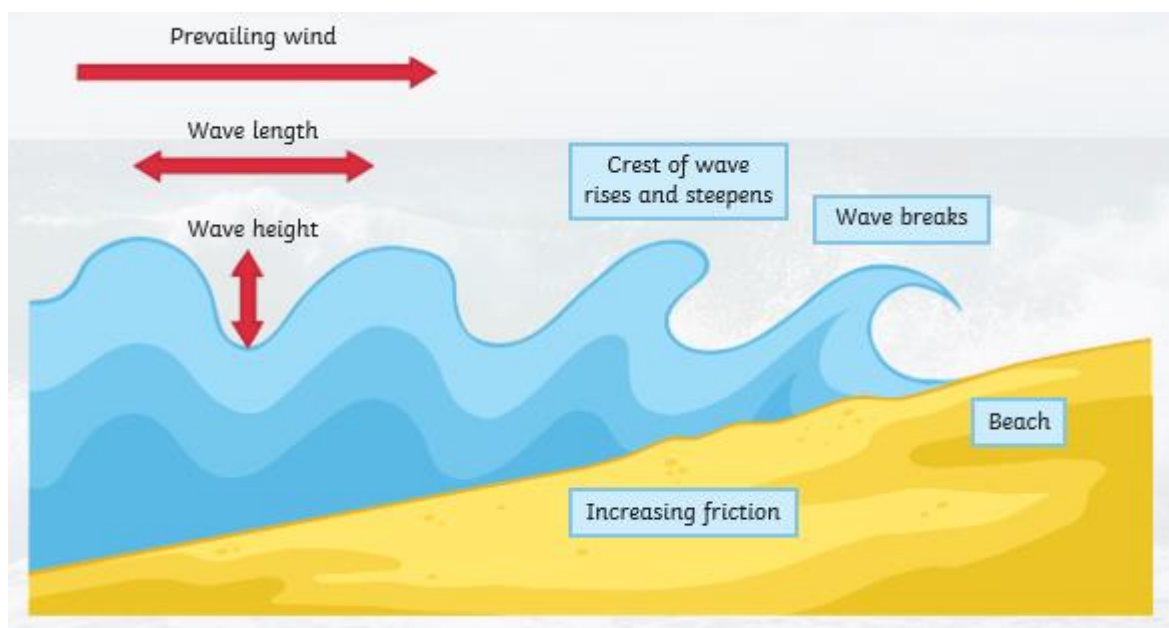
Strong winds and a large fetch = powerful waves!

Answer these two questions:

1. How do waves form?
2. What can make a wave bigger?

Task 2

This diagram shows how waves are formed:



Can you draw your own version of this diagram making sure your labels are accurate and your arrows point in the direction of the acting force.

In your books, write definitions of the below geographical terms. Use google or another search engine to help if you need it:

Sea:

Ocean:

Sediment:

Swash:

Backwash:

Task 3

Waves can be defined as constructive and destructive. In your books, write a definition of what you think a **constructive wave** might be and what a **destructive wave** might be. Write what impact you think each have on the beach. Think about the root words destruct and construct to inform your answer.

Without peeking first click [here](#) for two diagrams showing the difference between a constructive and destructive wave. For an extra challenge draw your own diagrams of the two wave types.