

The coastline is a very important place where land meets sea.
Physical processes such as erosion continually alter the coastline.
Human activity and coastal defence strategies are used to protect the
coastline and stop it from being eroded.

Core Knowledge (Need to know)

1. Large crack, opened up by hydraulic action larger

2. The crack grows into a cave by hydraulic action and abrasion

3. The cave breaks through the headland forming a natural arch and abrasion

5. The arch is eroded is eroded is eroded and collapses

7. The stack is eroded forming a stump

Direction of cliff retreat

6. This leaves a tall rock stack

1. The cave breaks

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1. The cave breaks

1. The cave br

Climate change could dramatically alter our coastline and have a huge impact on the people and animals that depend on it.

The UK has several

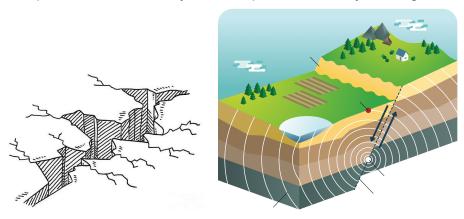
The UK has several mountain ranges including Snowdonia, The Scottish Highlands and Lake District.

coast	the part of the land joining or near to the sea
tourism	visits to places of interest or holidays
deposition	the build-up of sediments
erosion	the process by which material is removed
tide	the rising and falling of the sea
sea defence	man made structures to prevent or slow down coastal erosion
pollution	the introduction of harmful materials to the environment
sea level rise	Increase in the level of world's oceans due to global warming
arch	an eroded passage through a headland
headland	a hard rock part of the coast that sticks out
spit	narrow coastal formation at mouth of an estuary
stack	vertical column of rock near the coast formed by erosion
volcano	A rupture in the earth's crust that allows lava, ash and gas to escape.
earthquake	occurs when two pieces of the earth crust slip past each other.

Vocabulary



Earthquakes are caused by tectonic plates suddenly moving.





The UK has many rivers that run from

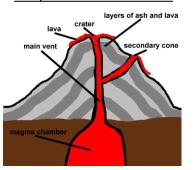
the mountain regions to the coast. The main rivers are the Humber, The Severn and the Thames.

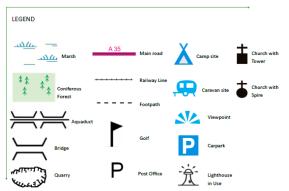
Volcanoes exist at plate boundaries or hotspots.

Volcanoes occur when magma reaches the Earth's crust and breaks through it.

Volcanoes have different parts including the magma chamber and cone.

A simple cross section of a volcano





Map reading helps us locate geographical features both locally (rivers, villages and places interest) and globally (cities, countries and continents)



DICKENS CLASS

Year: 5



Good to know

- Our coastline can be changed very quickly (flash floods, storm surges, tsunamis) or very slowly (erosion, longshore drift, climate change, human activities).
- Coastlines can be very different in appearance; they can be sandy, marsh land, mudflats, rocky, cliffs or man made.
- Sea level change can have a huge effect on wildlife and even can drastically alter biodiversity.

- The changing temperature of our oceans can have huge effects on the whole planet by altering ocean currents and the cold conveyor.
- There are different types of volcano and earthquake and the strongest of each can have devastating effects on life on earth.
- If an earthquake happens at sea it can cause a Tsunami or tidal wave.
- Life in mountainous regions differs hugely to life in low land areas.
- There are lots of differences between the UK and Mediterranean countries.