

Vocabulary

Beach - a low-lying area where the land meets the sea, made up of fine, loose sediment.

Cliff - a high-altitude area where the land meets the sea, made of hard rock.

Erosion – the process where material is removed from the land and moved along the coast in the waves.

Bay - an area of sea protruding into the land.

Headland - an area of land protruding into the sea.

Longshore drift - the process through which sediment is moved across a beach.

Hydraulic action - the weight of a wave crashing on a cliff face, pushing the air in cracks and caves, under pressure, to force open the crack/cave.

Ocean plastic - plastic which has been littered and pollutes the seas and coasts.

Abrasion - this is where pebbles and sand in the waves blast the cliff face like sandpaper, wearing it down.

Solution - some types of rock, such as chalk and limestone can be slowly dissolved by sea water.

Weathering – the natural process that slowly breaks apart or changes rock

Tide – the rise and fall of the surface of the ocean, twice daily, caused by the gravitational pull of the moon

Deposition

Pieces of rock that have fallen off are then tossed around by the waves and broken down into rounded stones and sand.

These pieces are carried by the water to more sheltered parts of the coastline, where the calmer, slower waves deposit the stones and sand.

These deposits can form long beaches, spits and sand dunes.



Investigating Coasts

Summer 2

What are coasts?

Coasts are where the land meets the ocean. This can take different forms such as beach (sand, shingle, pebble) and cliffs.



Top Takeaways

Having studied this topic you will be able to;

- *identify different types of beaches.
- *describe what coasts are and how they are formed
- *describe the physical features of coasts and the processes of erosion that affect them.
- *describe coastal areas, having used maps and secondary sources to research
- *describe different strategies of coastal management
- *describe how changes in land use will affect people and the environment in different ways.



Can you name any coastal locations in Britain?

Erosion

As powerful waves crash against the rocks on the shore, the rocks can be eroded. This erosion causes pieces of rock to fall off. Erosion helps create caves and arches on the coastline.

