



**What should I already know?**

- Sediment is a naturally occurring material that is broken down by the process of weathering and erosion.
- Precipitation is rain, snow, sleet or hail.
- Some types of rock can be more easily eroded.




**What will I know by the end of the unit?**

What are coasts? How are the stacks formed?	<ul style="list-style-type: none"> <li>• An area where land meets sea.</li> <li>• <b>Erosion landforms</b> are created when waves and weather conditions weaken rocks and cliffs.</li> <li>• <b>Depositional landforms</b>, like beaches and dunes, are created when the sea deposits sand, rocks and sediment.</li> <li>• <b>Sea-caves</b>, natural arches and <b>stacks</b> are formed when waves and weather conditions erode cliffs.</li> </ul>
What are costal landslides?	<ul style="list-style-type: none"> <li>• The loss of land from a coast-line.</li> <li>• Hobeck Hall Hotel, Scarborough, collapsed due to a landslide.</li> </ul>
How can we prevent costal erosion?	<ul style="list-style-type: none"> <li>• Build <b>sea walls</b></li> <li>• Build <b>revetments</b></li> <li>• Create <b>gabions</b></li> <li>• Build <b>groynes</b></li> </ul>

**Geographical Skills and Fieldwork**

- What are the advantages and disadvantages of different kinds of coastal defences?
- If you lived in a coastal area, explain whether you would want to preserve the natural environment or would you prefer to make sure there was as little danger as possible?
- Using appropriate vocabulary, describe the physical features of different beaches.
- Using a range of secondary sources, research a costal holiday location.
- How do different people want to use the **coast**? Does everyone agree? What are the main points of **opposition**?

**Vocabulary**

coast	an area where land meets sea
depositional landforms	areas like beaches and dunes which are created when the sea deposits sand, rocks and sediment
erosional landforms	these are created when waves and weather conditions weaken cliffs
gabions	 <p>wire cages filled with rocks which protect an area from erosion</p>
groynes	 <p>built at right angles along a beach, they prevent sediment and sand moving along the shore</p>
instability	lack of firmness or stability
opposition	disagreeing with someone's point of view
persuade	getting someone to agree with you
revetments	 <p>structures built to absorb wave energy through slats</p>
sea caves	a cave formed by wave action from the sea
sea- walls	a wall which protects the coast from erosion damage

**Diagrams**



A Sea-cave



A stack