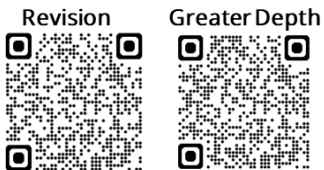


Geography Year 8 Cracking Coasts – Summer Term

Key term	Definition
Beach	A deposit of sand or shingle at the coast, often found at the head of a bay
Longshore drift	The zig-zag transport of sediment along the shore caused by waves and the angle of the prevailing wind
Arch	A natural wave eroded passageway through a headland
Weathering	The breaking down of rock as a result of natural processes such as freeze-thaw
Swash	A wave moving up a beach
Backwash	A wave moving back down the beach
Headland	A narrow piece of land, made of resistant rock, extending out to the sea
Bay	An area of less resistant rock where the land has been eroded back by the sea
Stack	A pillar of rock left when the top of an arch collapses
Spit	A depositional landform formed when a finger of sediment extends from the shore out to sea

QR Code/link to revision website



Powerful knowledge

Beach Safety Tips

1. Know what the flags mean

Flags and warning signs can tell you about hazards



2. Leave inflatables at home

They can quickly and easily be swept out to sea

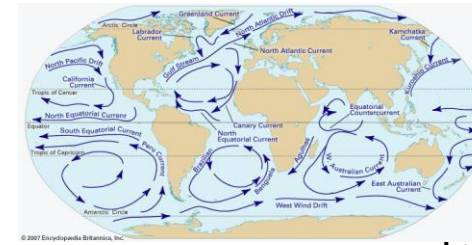
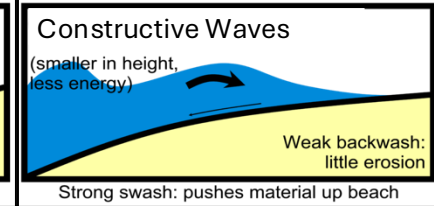
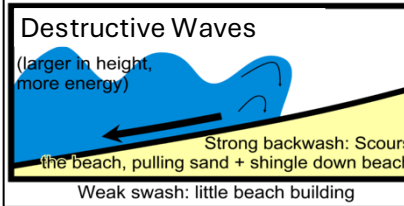
3. Float (like a starfish) to live

Lean back, then extend your arms and legs to form a star shape until you can control your breathing.

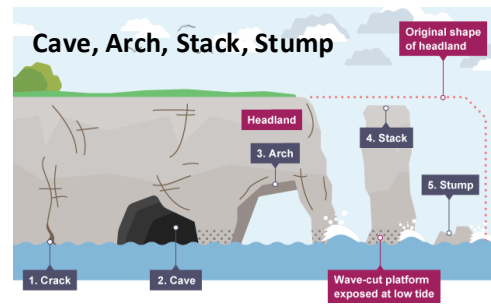
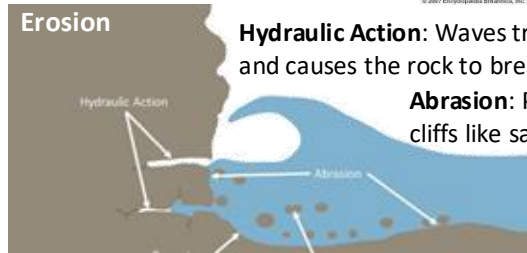


Emergency at the coast?

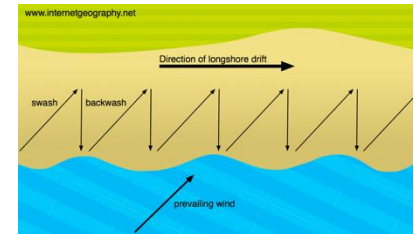
Call 999 and ask for the Coastguard



The ocean circulation system moves water and heat around the world.



Longshore drift



- Cracks** are formed in the **headland** through the erosion (**hydraulic action** and **abrasion**)
- Over time the **cracks** get larger, forming a **cave**
- The **cave** becomes larger and eventually breaks through the **headland** to form an **arch**.
- The base of the **arch** becomes wider until its roof becomes too heavy and collapses into the sea.
- This leaves a **stack** (a column of rock). The **stack** is undercut at the base until it collapses to form a **stump**.



Hard engineering involves building large, manmade structures which are expensive, effective and unnatural



Soft engineering involves using natural processes to manage the coast and are cheaper