



read

Coastal Landscapes

Coastal Processes

quiz



The Big Picture



Key Terms

- Abrasion** – Rocks carried along by a wave wear down cliff material.
- Attrition** – Rocks transported by a wave collide and become smaller and rounded.
- Deposition** – When material is dropped by constructive waves.
- Erosion** – The wearing away of land by the sea.
- Hydraulic Action** – The force of water compressing air in cracks, weakening cliffs.
- Longshore Drift** – The zig-zag movement of sediment along the coast.
- Saltation** – Pebbles are bounced along the sea bed.
- Solution** – Soluble particles are transported by the sea.
- Suspension** – Lighter sediment is carried within the water.
- Traction** – Large, heavy pebbles are rolled along the sea bed.

Transportation

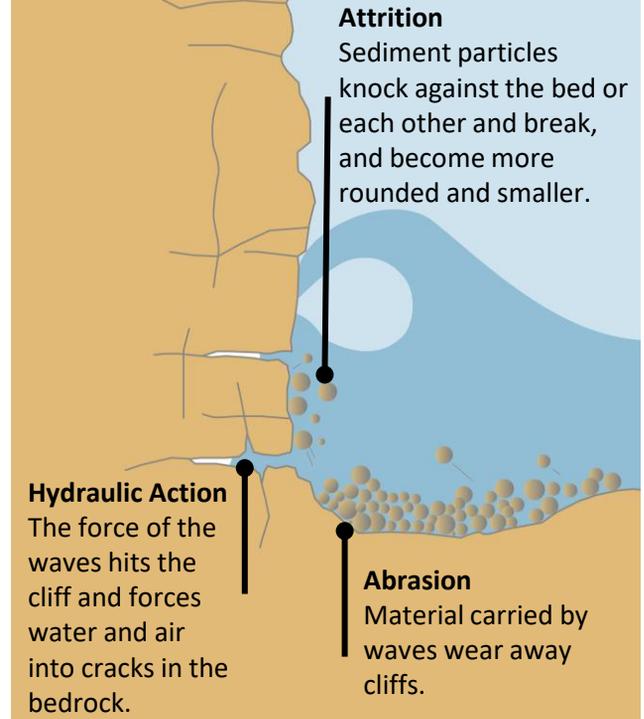
Suspension - fine material such as clay and sediment is carried by the sea.

Traction - large boulders and pebbles are rolled along the sea bed.

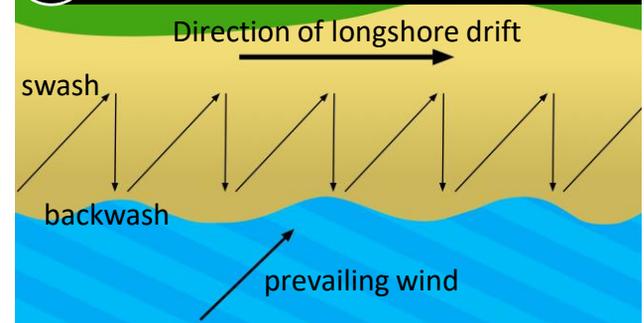
Solution - large boulders and pebbles are rolled along the sea bed.

Saltation – material bounces along the sea bed.

Processes of Erosion



Longshore Drift



Deposition occurs when...

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1. waves enter an area of shallow water;
 2. waves enter a sheltered area, e.g. a cove or bay;
 3. there is little wind;
 4. a river or estuary flows into the sea, reducing wave energy; and
 5. there is a good supply of material