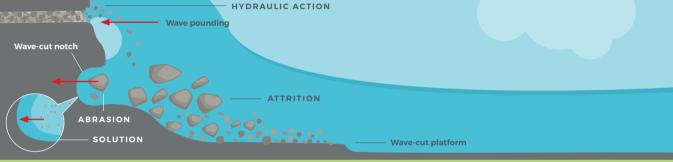
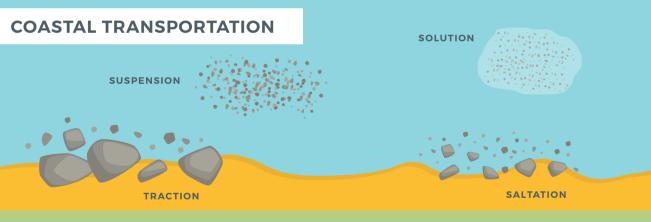
COASTAL PROCESSES





Erosion is the wearing away of the land by the sea. Destructive waves erode the coast in a number of different processes: HYDRAULIC ACTION - When waves hit a cliff, air is compressed into cracks. When the wave breaks, the air rushes out of the gap causing erosion. ABRASION - Bits of rock & sand in waves grind down cliff surfaces like sandpaper

- ATTRITION Waves smash rocks and pebbles on the shore into each other. & they break and become smaller & smoother
- SOLUTION Acids contained in sea water will dissolve some types of rock such as chalk or limestone.



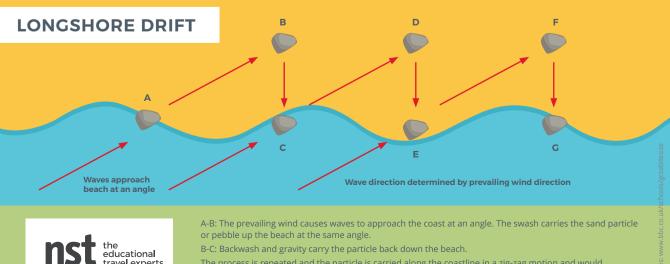
Transportation is the movement of material in the sea and along the coast by waves and tidal currents

TRACTION - large material eg pebbles & larger sediment are rolled along the sea bed

SALTATION - beach material eg small pieces of shingle or large sand grain is bounced along the sea bed

SUSPENSION - beach material eg silts & clays (which can make the water cloudy) is suspended and carried by the waves

SOLUTION - minerals are dissolved and carried by the water, the load is not visible & can come from cliffs



the educational travel experts B-C: Backwash and gravity carry the particle back down the beach. The process is repeated and the particle is carried along the coastline in a zig-zag motion and would eventually be deposited when the waves lose energy - this is called longshore drift.