

Module 2: Coastal Zones

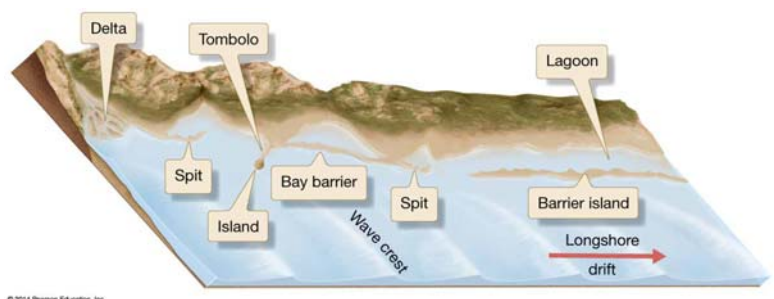
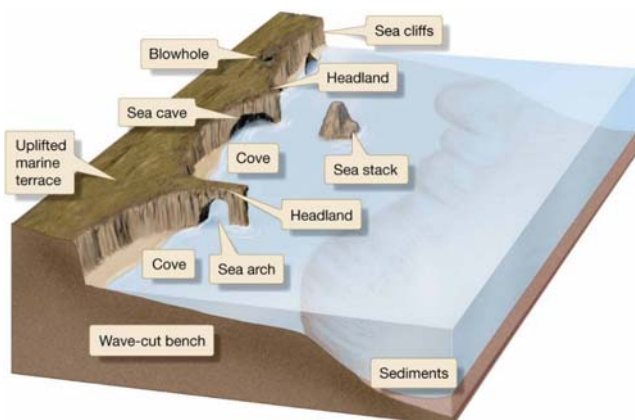
Quiz 1 Review: Deposition, Erosion, Dead Zones and Coastal Zones

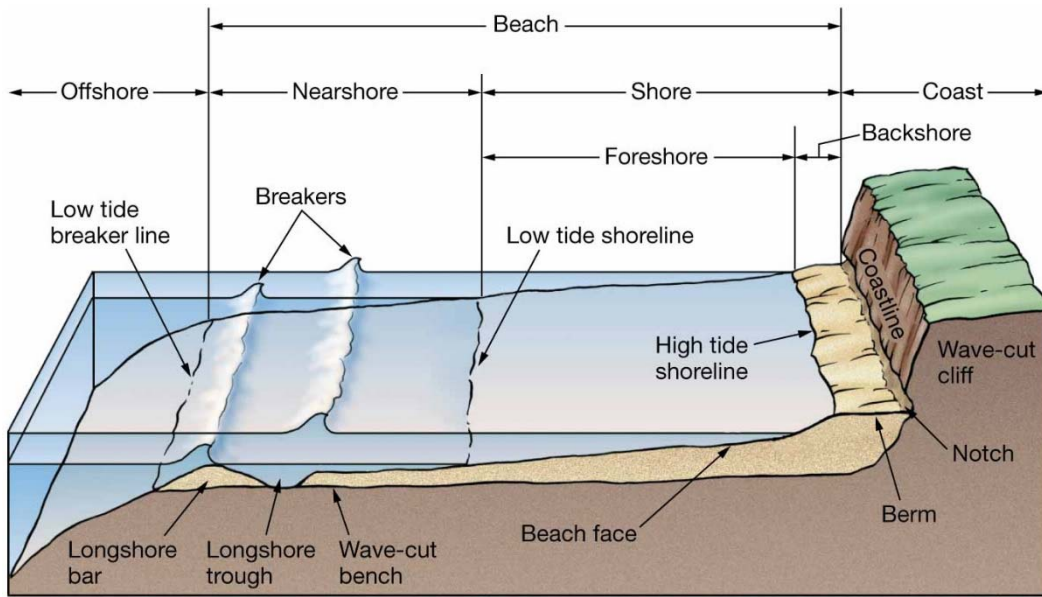
Know the information on the following PowerPoints:

1. The Coast: Deposition (Nov 7)
2. The Coast: Erosion (Nov 12)
3. Dead Zones (Nov 18 and 19)
4. Coastal Zones Intro by Emily Rideout (Oct 28 and Nov 14)

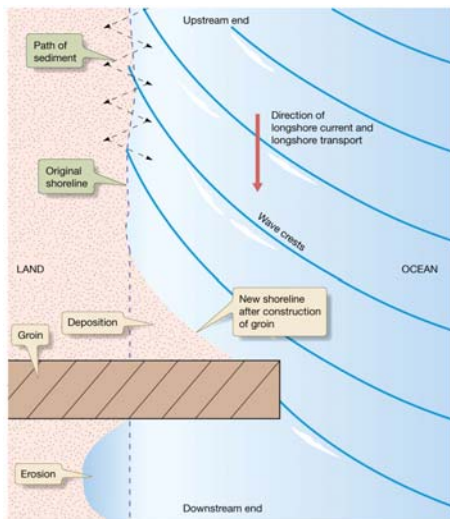
General concepts to understanding:

1. The Coast: Deposition (Nov 7)
 - a. Longshore Drift and Longshore Current
 - b. Constructive waves, swash, backwash
 - c. Delta, tombolo, sand spit, bay barrier, barrier island, lagoon
 - d. Sand dunes: what they are, vegetation that grows, adaptations
 - e. Parts of a shoreline: backshore, foreshore, nearshore and offshore
 - f. Changes in beaches from summer to winter
 - g. How erosion is connect to deposition
2. The Coast: Erosion (Nov 12)
 - a. Headland, sea cliffs, sea stack, bay/cove, sea cave, sand bar
 - b. Destructive waves, swash, backwash
 - c. How Nova Scotians defending the coast from erosion
 - d. Hard Stabilizers: Jetties, breakwaters, seawalls, groins
 - e. Natural Stabilizers: dykes, plants, sea grasses, marshes
3. Dead Zones(Nov 18 and 19)
 - a. Explain what a dead zone is.
 - b. How are dead zones created
 - c. Terms to know: acidification, hypoxia, eutrophication,
 - d. Permanent hypoxia, seasonal hypoxia and temporary hypoxia
 - e. Describe a recent example
4. Coastal Zones (Oct 28 and Nov 14)
 - a. What is the coast used for?
 - b. What conflicts arise between different uses of the coast?
 - c. What are some differences in the coast zones around the world?
 - d. The 6 priorities for Nova Scotia: sensitive coastal ecosystems, coastal water quality, coastal development, sea level rise and storm events, working waterfronts, public access.

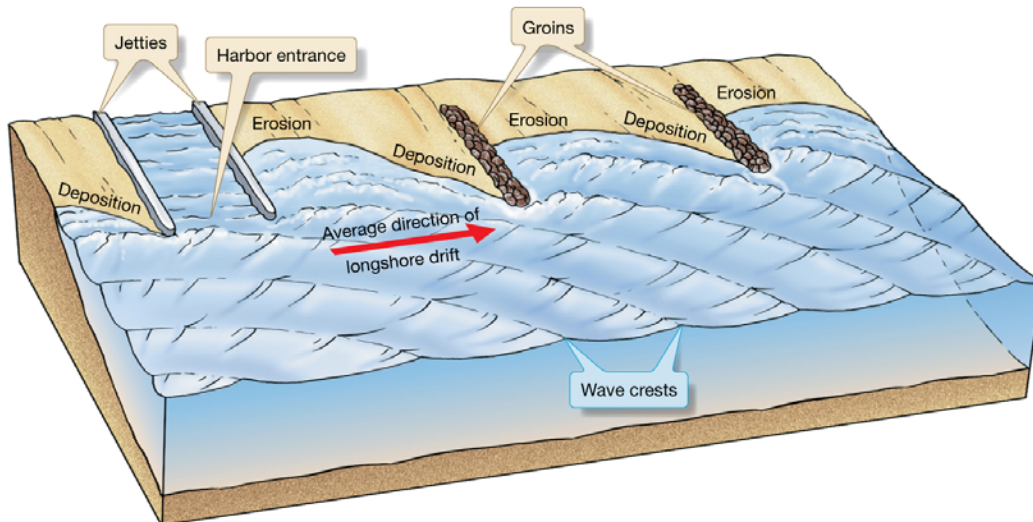




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