



Coastlines

By: Analisa
Coppens

Formation Of Coasts



Gold Coast, Australia



- waves, currents, tides
- Sediments from ocean make beaches
- Not a quick process
- Constantly changing



Types of Coasts



Emergent Coasts

- Occurs when water level falls or land rises
- Commonly near tectonic plates



Submergent Coast

- Sea levels rise, submerging the land
- Last Glacial Period
- Constantly changing; rise in sea level or sinking of the land

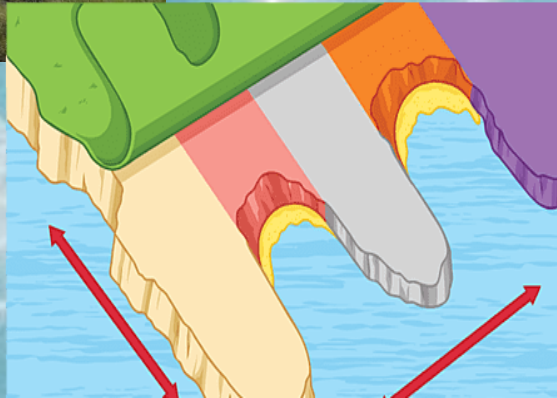


Types of Coasts



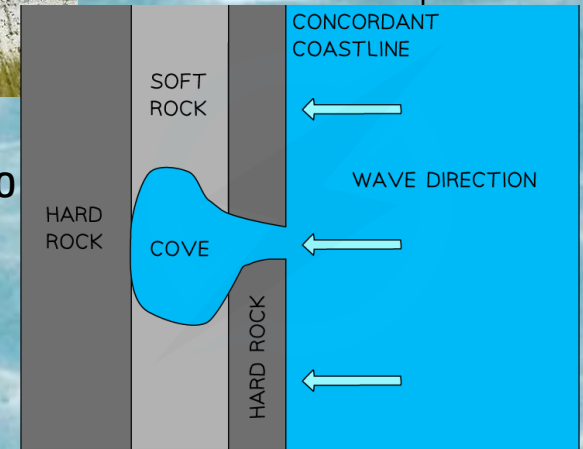
Discordant Coast

- Bands of different rock run perpendicular to coast
- Usually forms headlands or bays



Concordant Coast

- Bands of similar rock parallel to the coast
- Form coves



Erosion



- Wearing away of land due to the sea
- Corrosion & abrasion
- Beaches increase distance of waves
- Lithology: physical properties of rocks

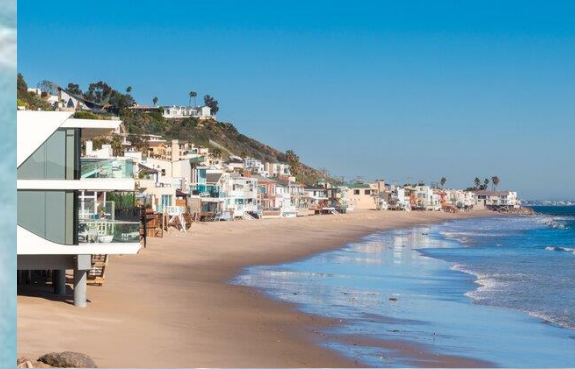


Human Impact on Coastal Beaches



Marine Debris

- disposing of trash
- reduce, reuse, recycle
- Fishing gear



Human Settlement near the Coasts

- Sewage from farms & houses
- buildings cut off lagoons & wetlands

Consequences of boats

- Noise pollution
- Oils at marinas



Sources

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