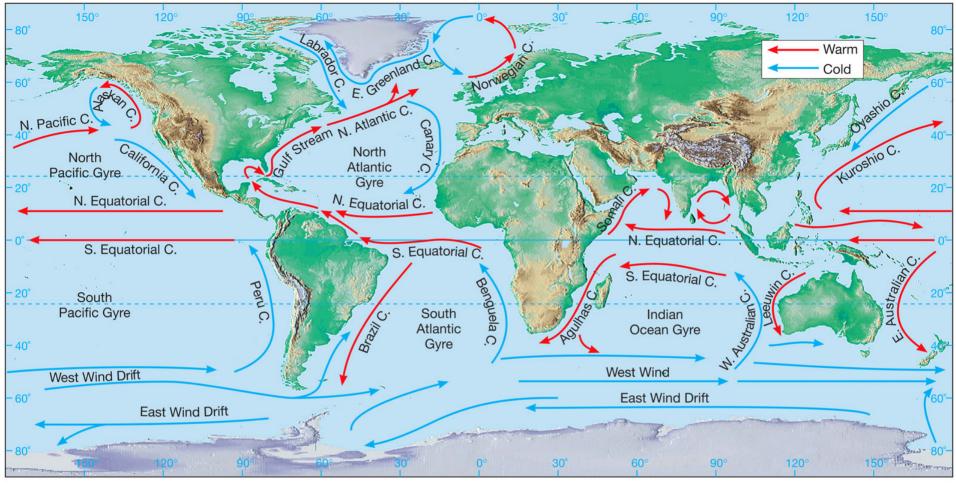
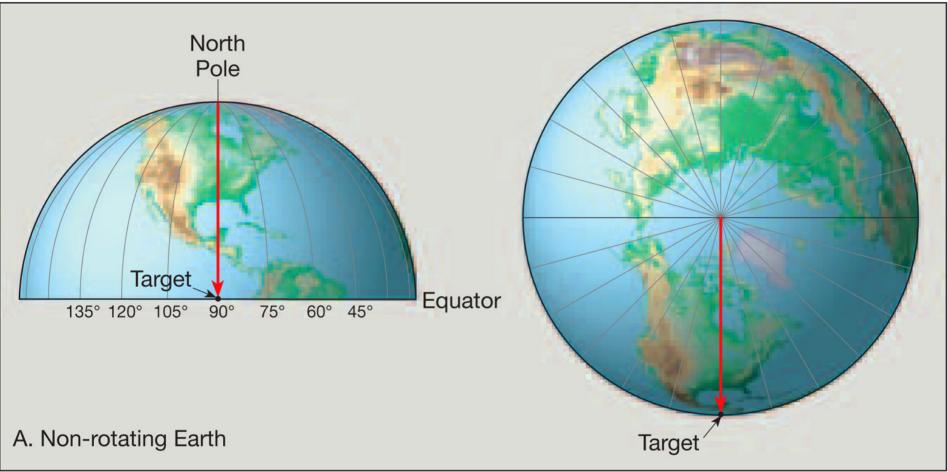
Dynamic Ocean

Circulation Coastal Processes

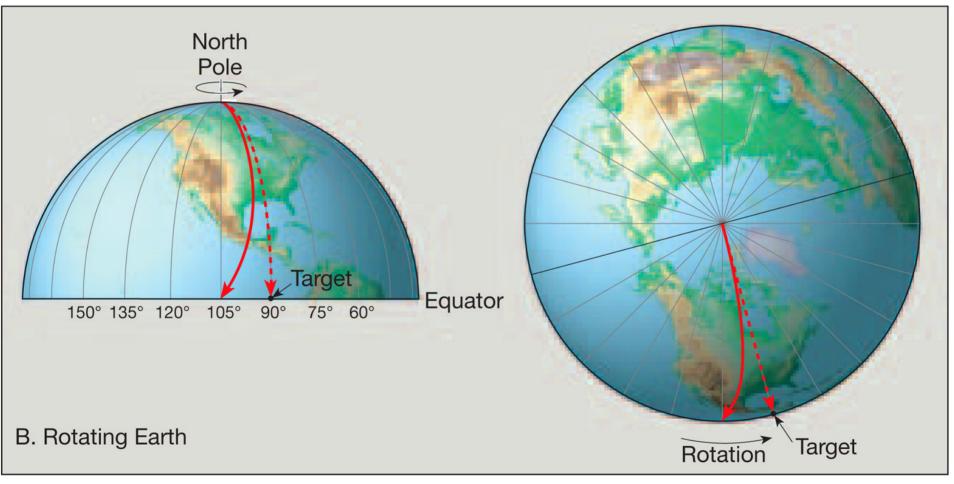




No Coriolis Effect



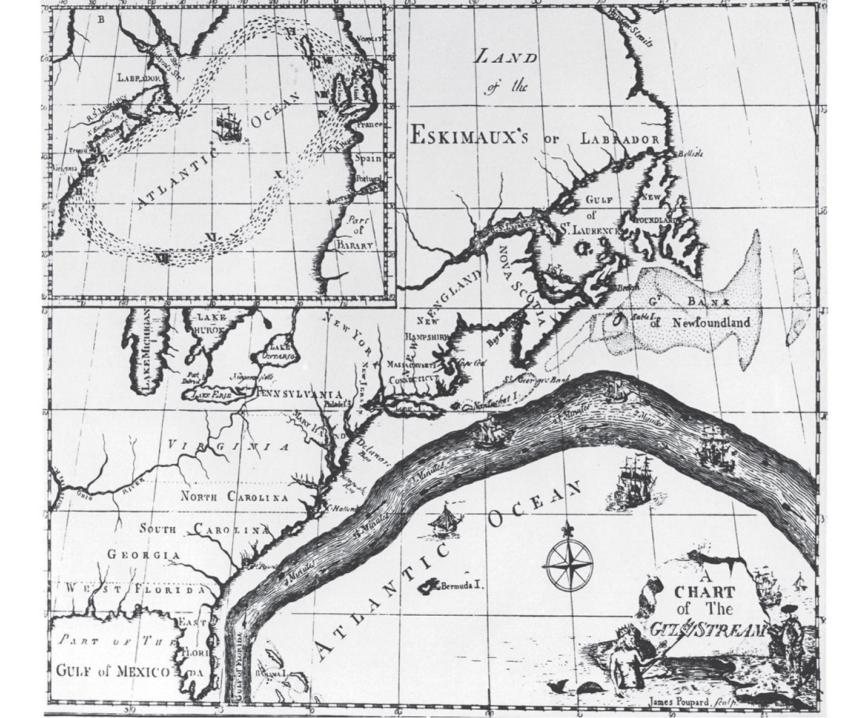
Coriolis Effect

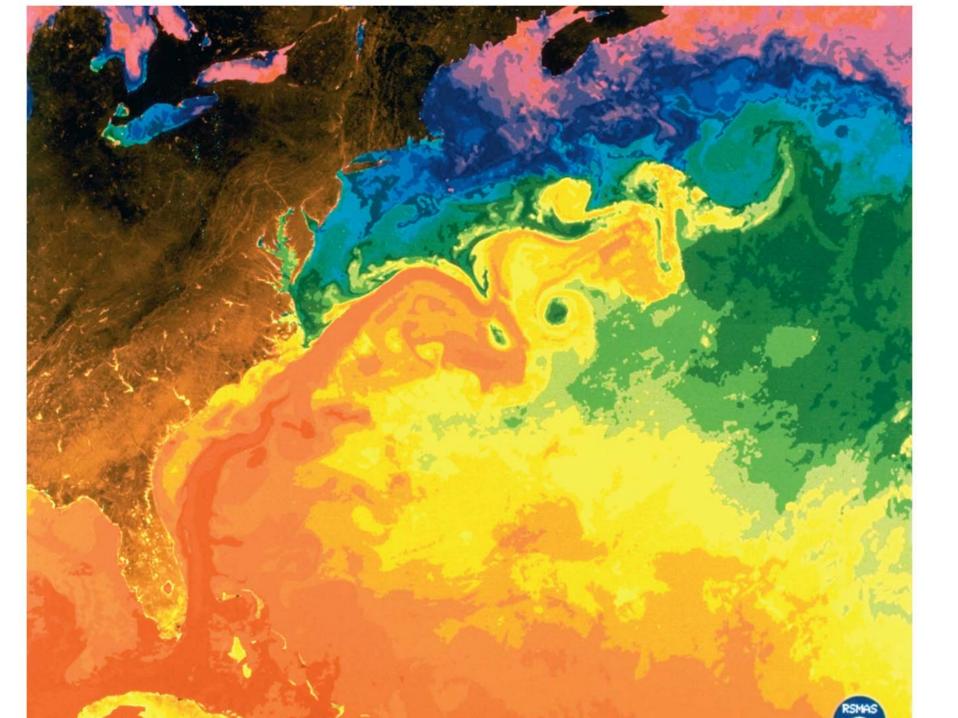


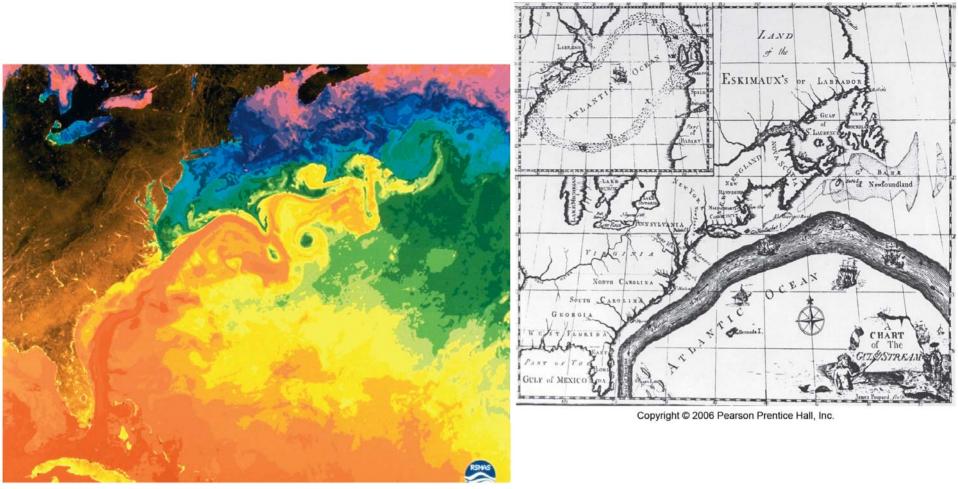




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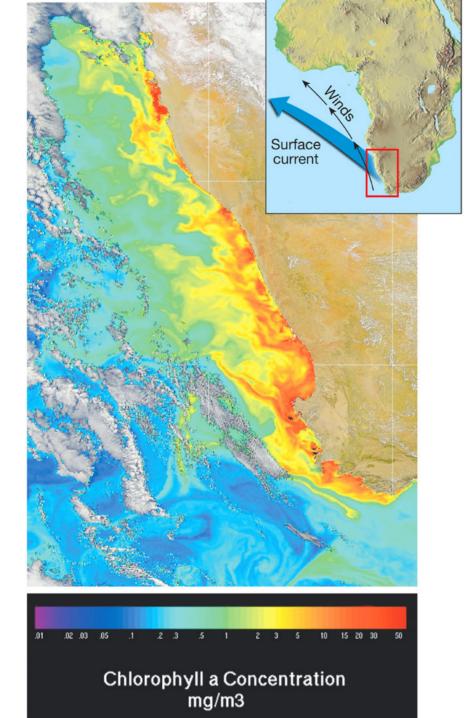


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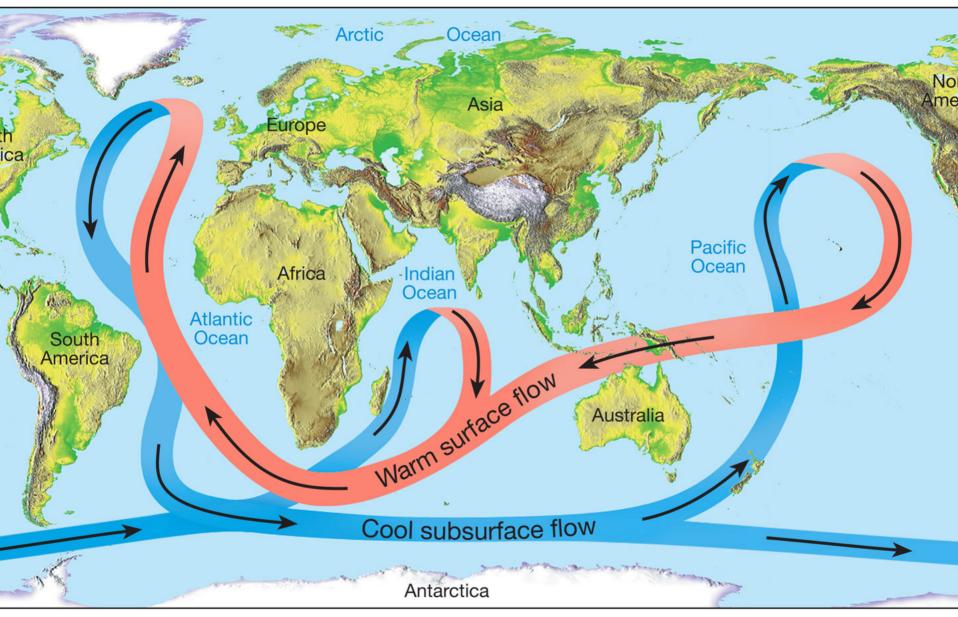
Currents to remember:

- Gulf Stream
 - Warmnorthward flow along west side of N. Atlantic
- Kuroshio
 - Warm northward flow along west side of N. Pacific
- California
 - Cool southward flow along east side of N .Pacific
- West Wind Drift
 - West to east "around the world" flow in southern hemisphere
- Equatorial currents
 - East to west flow that run into land masses at west side of ocean basins



Coastal Upwelling shown by chlorophyll content of water

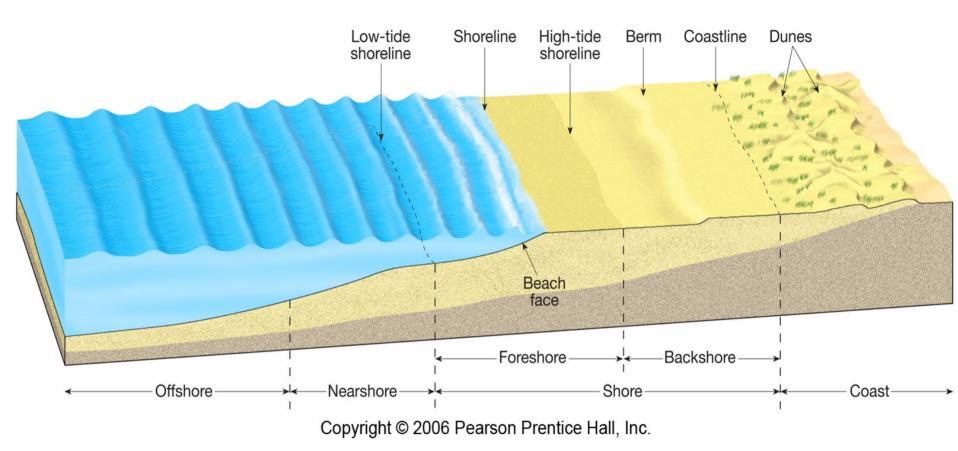


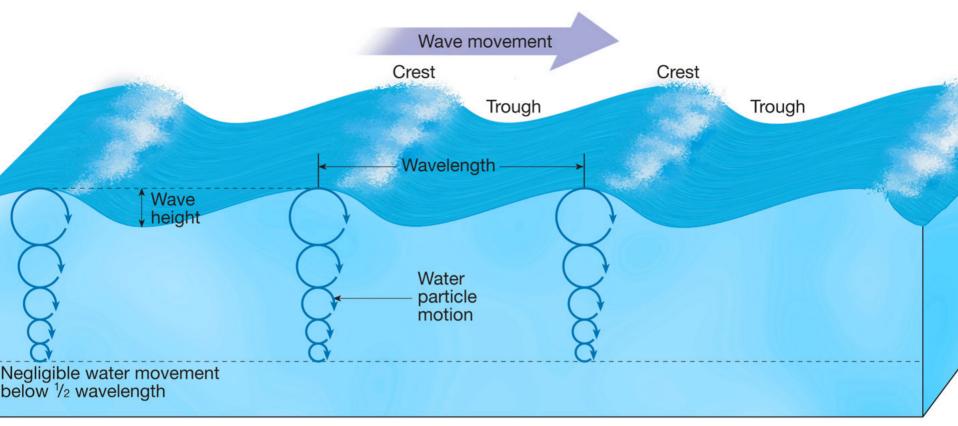


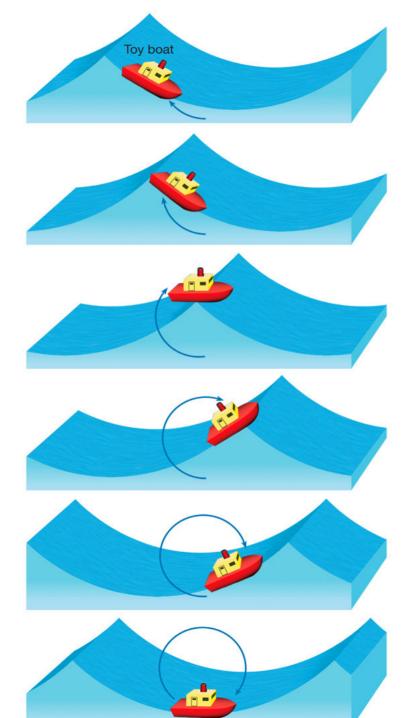




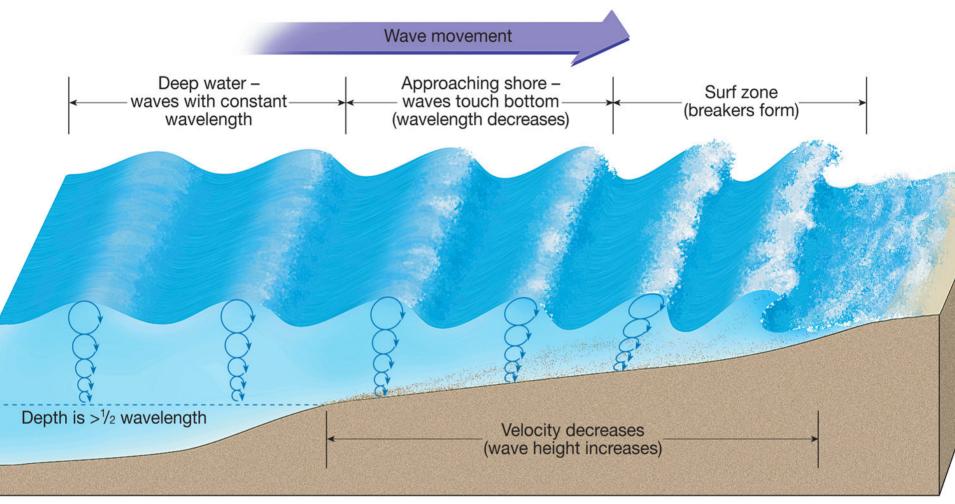
http://pinker.wjh.harvard.edu/photos/new_zealand/pages/Foxton%20Beach.htm

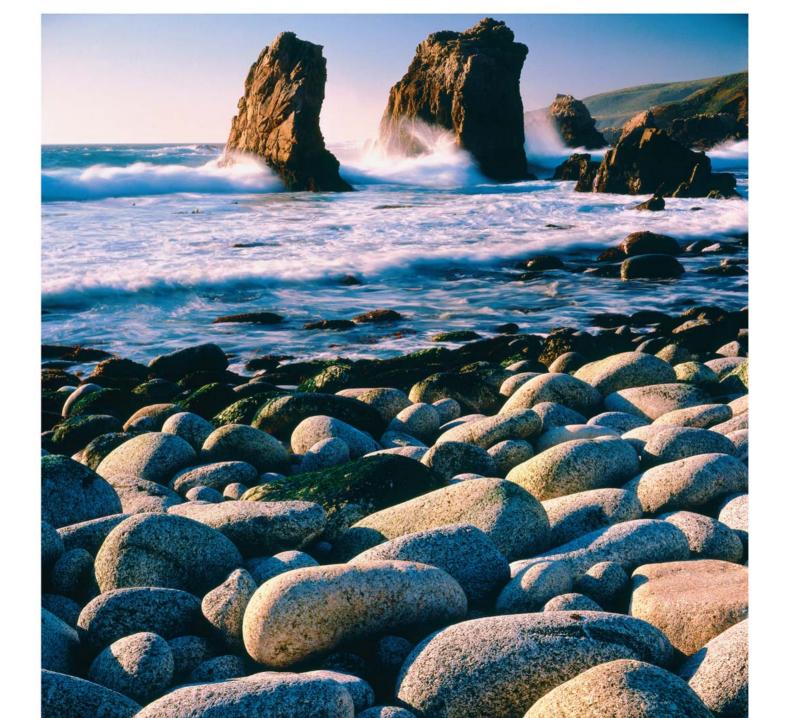


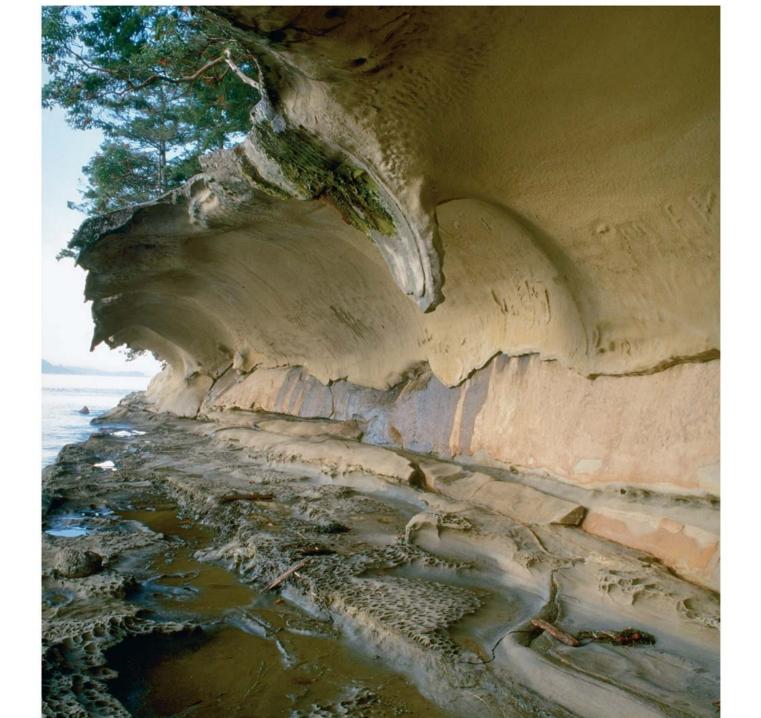




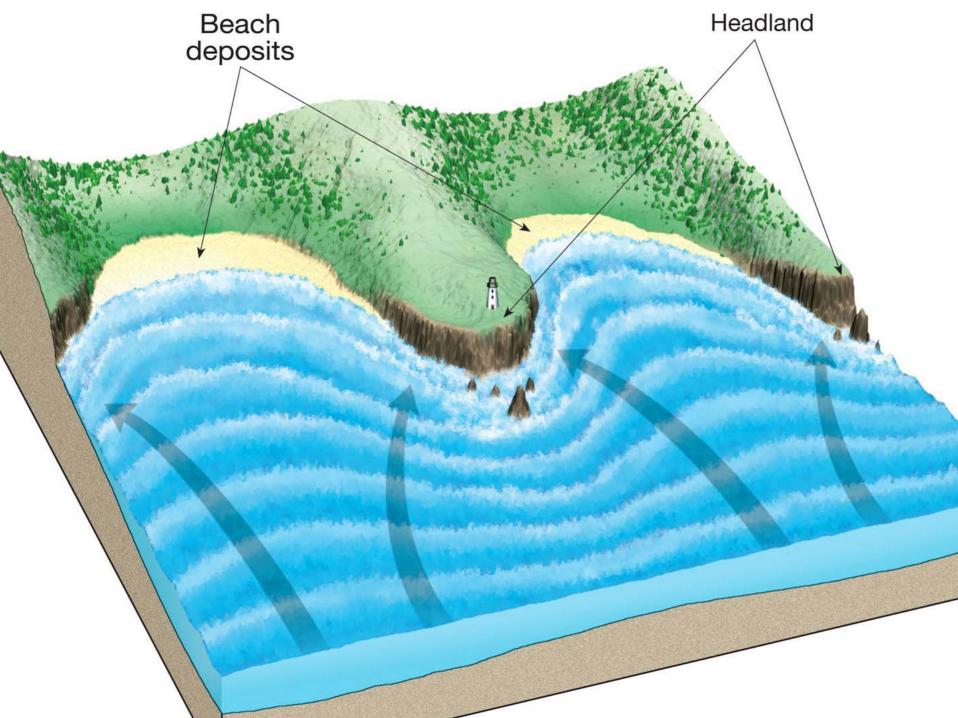
Orbital movement of toy boat

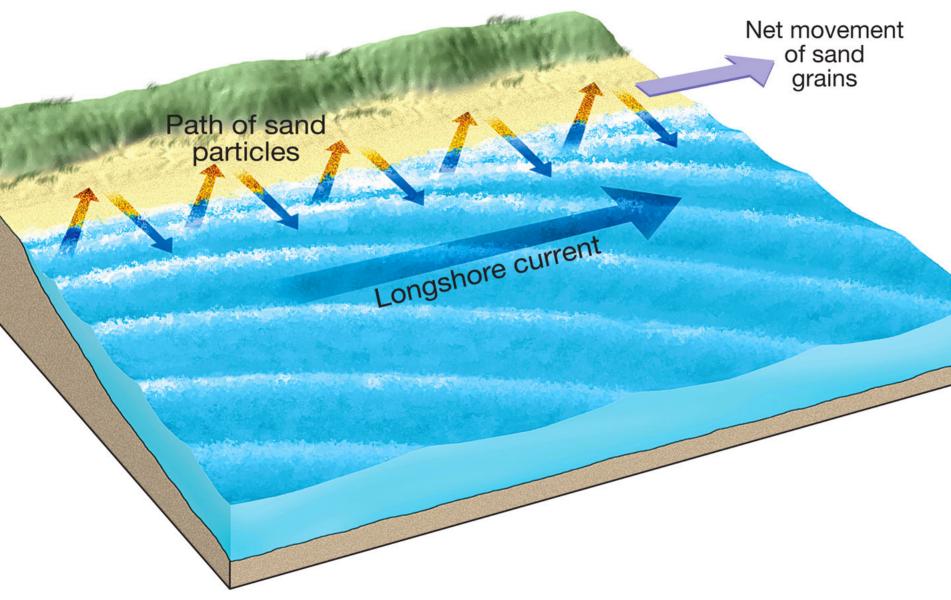
















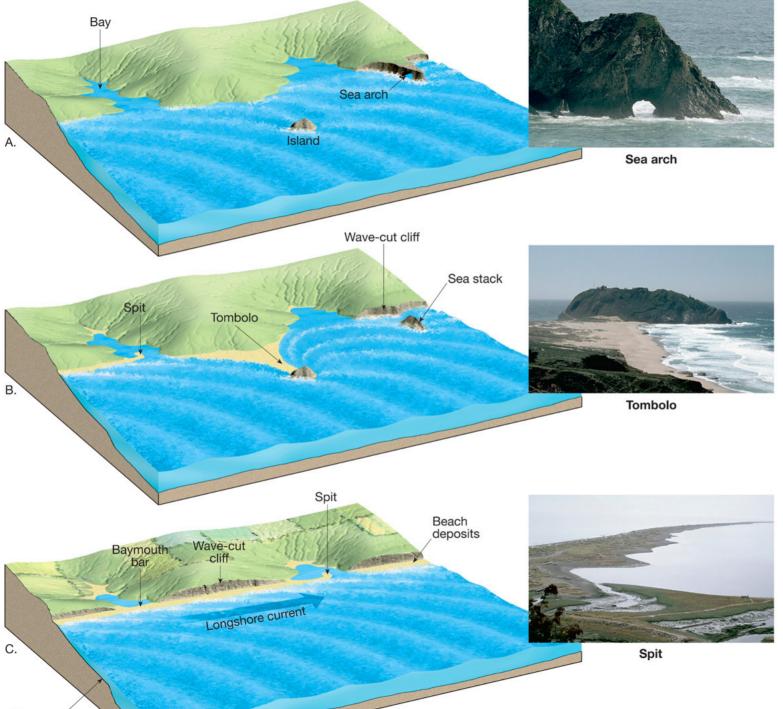


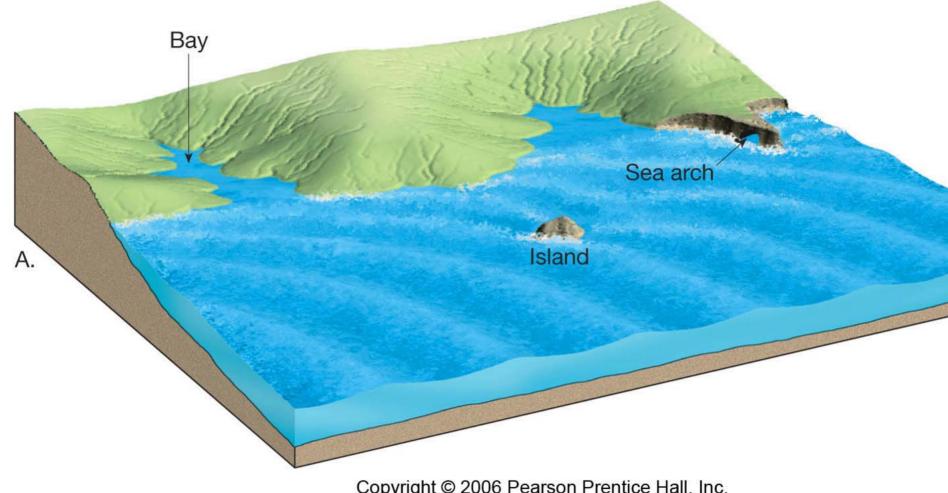






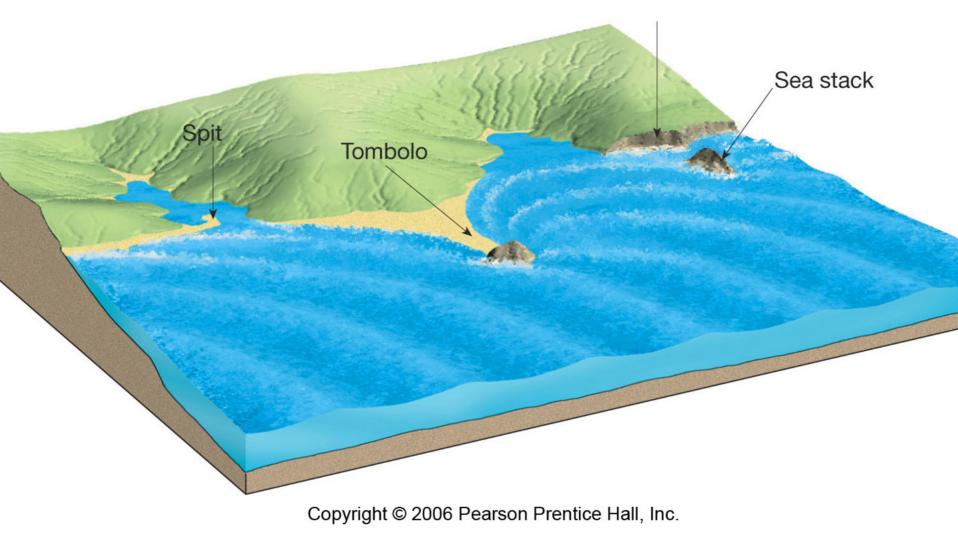
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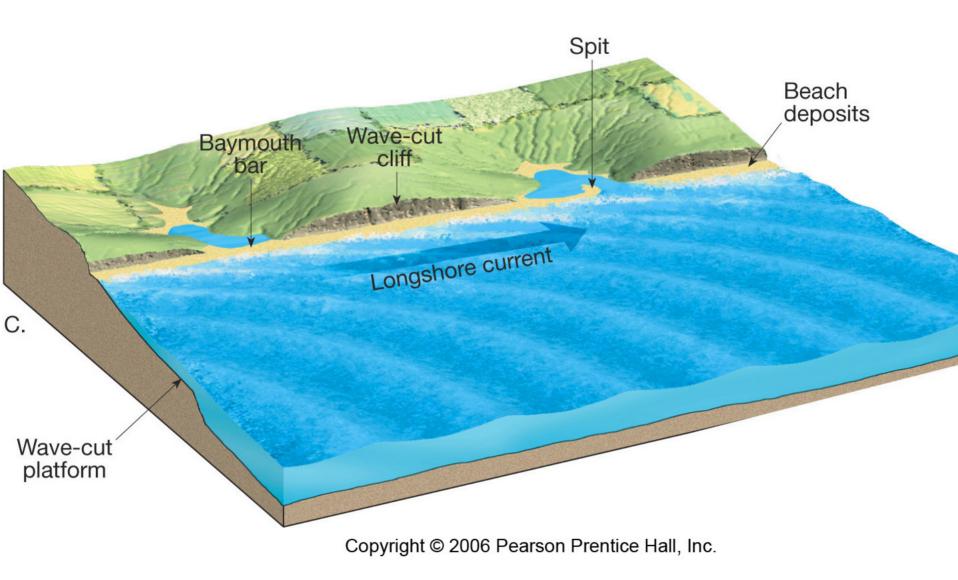








Tombolo

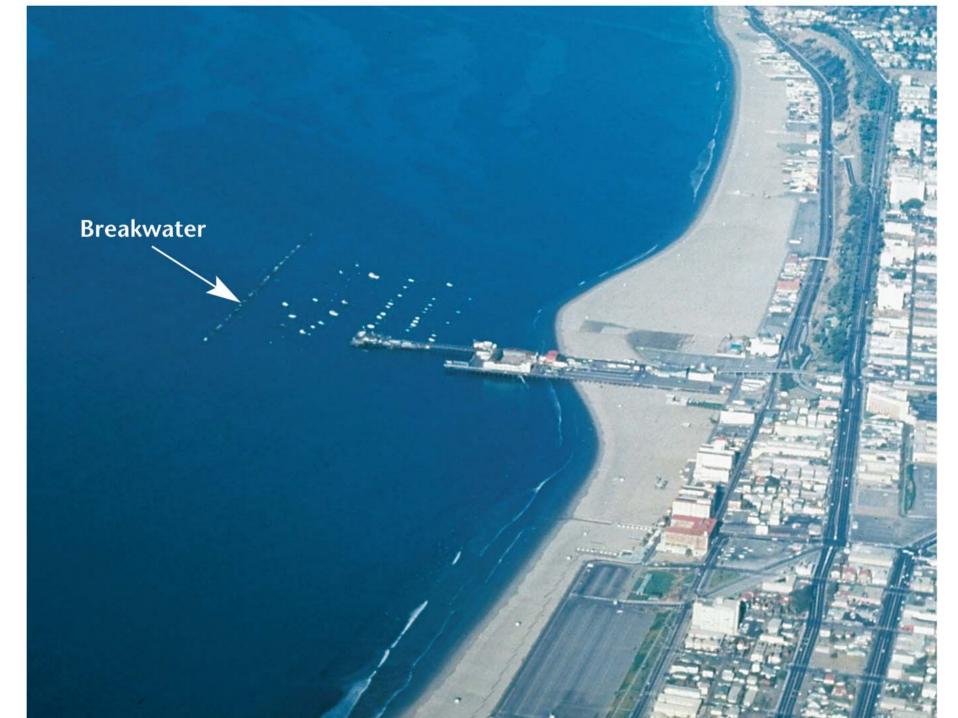




Spit









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