

## **Why Vocabulary List and Study Guide- Unit - Coastlines & Human Impact**

### Vocabulary:

Weathering	Stabilization	Beach
Mechanical Weathering	Entrance Training Wall	Sand
Collision	Floodgate	Offshore
Root Pry	Beach Nourishment	Foreshore
Ice Wedging	Beach Drainage	Backshore
Chemical Weathering	Coastline Monitoring	Dunes/Cliffs
Oxidation	Hydraulic Action	Longshore Bar
Erosion	Attrition	Longshore Trough
Deposition	Corrasion	Intertidal terrace
Cuspate Foreland	Corrosion	Berm
Peninsula	Rockfall/rockslide	Wetland
Tombolo	Creep	Swamp
Spit	Mudflow	Marsh
Barrier Island	Slump	Bog
Blowhole	Deflation	Brackish
Arch/Bridge	Abrasion	Hypersaline
Stack	Salt Spray	Anoxic
Groyne/Groin	Dune	Salt Marsh
Sea Wall	Plucking	Mangrove
Revetment	Moraine/Till	Pneumatophore
Rock Armor/Rip-rap	Outwash	
Gabion	Fjord	
Breakwater	Isostatic Rebound	

Fisheries

By-catch

### Study Guide Objectives:

1. Distinguish between the mechanisms of mechanical and chemical weathering.
2. What are the main causes of mechanical weathering?
3. What are the main causes of chemical weathering?
4. Predict the effect of climate and ocean environments in weathering the shoreline.
5. Know the difference between hydraulic action, attrition, corrasion and corrosion and understand the effect of the specific factors that influence shoreline erosion.
6. What erosion and depositional features are present in coastlines (coastline geography)?
7. Differentiate between the five "attitudes" of shoreline management.
8. What methods are commonly employed to prevent shoreline erosion?
9. What are the negative impacts of erosion control methods along shorelines?
10. Recognize the key features and terminology of gravity, wind and glacier erosion (especially as they relate to coastlines.)
11. Diagram the structure of an average beach.
12. How do longshore currents affect the near offshore bathymetry?
13. What factors influence the composition of beach sediments?
14. Why are beaches often smaller in winter?

15. What names are given to the zones of a rocky shoreline that form as a result of the variation in tidal levels over the course of a lunar month?
16. What factors influence life along the rocky shore and in tide pools and channels?
17. What is a wetland and how are they classified?
18. What specific factors exist for coastal wetlands?
19. Describe a salt marsh.
20. Describe the features of mangrove trees and mangrove swamps.

## 21. Human Impact

Fisheries – Explore the history of humans and fishing. Investigate key species and the patterns, impact, and future of this major source of food.

Pollution – Identify sources and the results of pollution on life in the oceans

Ocean Resources – Investigate the potential wealth of mineral and energy resources within and beneath the oceans