

**Key Concepts**

**Ch. 10**

1. Groundwater and the "water table."
2. The water table.
3. Storage and movement of groundwater.
4. Springs and wells.
5. Problems associated with groundwater.
6. Groundwater and "geothermal energy."
7. Underground erosion: Caverns and karst terrains.

**Ch. 12**

1. Distribution and causes of "deserts."
2. Weathering and water in arid regions.
3. Transportation of sediment by wind.
4. Erosion by wind.
5. Wind-related sedimentary deposition.

**Ch. 13**

1. The shoreline and the "coastal zone."
2. Waves and their erosive activity.
3. Sand movement on the beach.
4. Erosional and depositional shoreline features.
5. Stabilization of the shore.
6. Coastal classification.
7. Tides.

**Terms to Know**

The upper limit of the zone of saturation

Porosity

Aquifer

Aquitard

Aquiclude

Artesian wells

intermittent hot springs

source of heat for most hot springs and

geysers

Cone of depression

groundwater source for High Plains

water table

Land subsidence

karst landscapes

Arid and semiarid regions

erosion in deserts

Rainshadow deserts

Streams that carry water only in episodes of

rainfall

Alluvial fans

Playas	Wave terrace
Bajadas	Breakwaters
dunes	Baymouth bars
Inselbergs	Groins
load carried by wind	Barrier islands
Varnish	Sea walls
Abrasion	East/west coast
Pavement	Submergent/emergent coasts
Ventifact	Estuaries
Deflation	Tides
Loess	open-ocean wave motion
Low-latitude deserts	hydrologic cycle
weathering in deserts	driest desert in the world
wave period	Tsunamis
length, height, and period of a wave	Texas hill country aquifer
Waves that reach the shore at an angle	Florida dust
Plataform	Hamada, erg, reg
Tombolo	Oklahoma artesian well
Wave-cut cliff	Horizontal/non-horizontal sediments
Sea arch	

### **Typical Question**

1. A breakwater is \_\_\_\_\_.
  - a. a ridge of sand that runs parallel to the coastline
  - b. a structure built parallel to the shoreline to protect boats from the force of large waves**
  - c. the location where high waves crash along the coast
  - d. a short wall built perpendicular to the coastline
  - e. large rocks placed on the beach to reduce erosion