

Marine Biology Chapter 10: Study Guide

Intertidal Zone

- Vocabulary

Intertidal zone

Emersion

Substrate

Littoral zone

Immersion

- Know where the intertidal zone is located

Rocky Shore Communities

- Vocabulary

Epifauna

Refraction

Vertical zonation

Sessile

Wave shock

Keystone predators

Desiccate

Holdfasts

Ecological succession

Tide pools

Byssal threads

Climax community

Deposit feeders

Dispersal

Diversity

Filter feeders

Zones

Competitive exclusion

- Know where rocky shores occur
- Know the conditions that organisms must face if they are living on a rocky shore
- Know the three methods used to prevent desiccation
- Know the places where organisms hide to prevent desiccation
- Know the methods that organisms use to survive temperature and salinity changes
- Know the types of feeding methods of organisms in the rocky shore
- Know how wave energy is distributed along the shoreline
- Know what wave shock is and how organisms deal with it
- Know why there is a battle for space among intertidal organisms and how those organisms gain space
- Know how zones form and what factors affect upper and lower limits
- Know the four zones of the rocky shore, the conditions in each and the organisms in each
- Know what a keystone predator is and why sea stars are considered keystone predators
- Know what happens if a keystone predator is removed from an area
- Know the order in which an area is repopulated after a disturbance
- Know the blue box *Transplantation, Removal and Caging Experiments* on page 227

Soft-Bottom Intertidal Communities

- Vocabulary

Soft bottom

Hydrogen sulfide

Anaerobic respiration

Meiofauna

- Know where soft bottom shores occur
- Know the conditions that organisms must face if they are living on a soft bottom shore
- Know the different sizes of sediment and how coarse they are
- Know how sediment composition is created and where different compositions are located
- Know the different conditions that are found in different sediment composition
- Know the different methods that animals use to move around on the soft bottom shores
- Know the different feeding methods used by organisms on the soft bottom shores
- Know how zonation occurs on the soft bottom shores