

Unit V
Chapter 15
Marine Environments



Performance Standards

Demonstrate an understanding of the typical inhabitants of marine environments

- SC.D.1.4.1 Know how climatic patterns on Earth result from an interplay of many factors (Earth’s topography, its rotation on its axis, solar radiation, the transfer of heat energy where the atmosphere interfaces with lands and oceans, and wind and ocean currents).
- SC.D.1.4.2 Know that the solid crust of Earth consists of slow-moving, separate plates that float on a denser, molten layer of Earth and that these plates interact with others, changing the Earth’s surface in many ways (e.g., forming mountain ranges and rift valleys, causing earthquake and volcanic activity, and forming undersea mountains that can become ocean islands).
- SC.E.1.4.3 Know the various reasons that Earth is the only planet in our Solar System that appears to be capable of supporting life, as we know it.
- SC.G.1.4.1 Know of the great diversity and interdependence of living things.
- SC.G.1.4.2 Understand how the flow of energy through an ecosystem made up of producers, consumers, and decomposers carries out the processes of life and that some energy dissipates as heat and is not recycled.
- SC.G.2.4.2 Know that changes in a component of an ecosystem will have unpredictable effects on the entire system but that the components of the system tend to react in a way that will restore the ecosystem to its original condition.

The place, or “home,” in which an organism is typically found is called its habitat. The total surroundings of living thing that affect it and its habitat are called the environment.

STUDENT INSTRUCTIONS

1. Read chapter 15 pages 320-347 in your text and
 - a. write definitions or...
 - b. draw pictures or...
 - c. make diagrams for each of the 24 vocabulary words found on page 350.
2. After reading each section of the chapter, answer the section review questions on pages 325, 329, 333, 341, and 347.
3. Complete the Extended Response question on the following page.

READ THINK EXPLAIN

4. Write an essay following the FCAT writing format comparing the intertidal zone of a rocky beach with that of a sandy beach.

5. Turn in all completed work and ask your instructor for the Chapter 15 Test.

