

Unit II
Chapter 6--
Introduction to Marine Animals



Performance Standards

Discuss nutrients and the digestion of food by animals. Explain the importance of zooplankton in the marine food chain. Describe the three groups of protozoans and their life function. Compare and contrast the sponges, rotifers, and bryozoans.

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| 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. |

More than 100,000 animal species live in the world's oceans. By observing unicellular animal like protists and some multi-cellular animals, you can study life in the sea.

STUDENT INSTRUCTIONS

1. Read chapter 6 pages 122-144 in your text and
 - a. write definitions, or...
 - b. draw pictures, or...
 - c. diagram explanations for each of the 27 vocabulary words found on page 146.
2. After reading the chapter, complete the **Fill In** questions (1-10) on page 146 and the **Multiple Choice** questions (14-23) on page 147.
3. Respond in FCAT Short Response format to this question:
How does a protozoan carry out the process of respiration?
4. Complete the Extended Response question on the following page.
5. Complete Observing Zooplankton Activity.
6. Turn in all completed work and ask your instructor for the Chapter 6 Test.

Observing Zooplankton Activity

Problem: What kind of zooplankton can be found in seawater?

Skills: Observing tiny organisms

Materials: Figure 6-2 on page 128 of text.

Procedure:

1. Make sketches of each of the zooplankton in figure 6-2.
2. Label each zooplankton with the appropriate name.

Observations and Analyses:

1. How would you know that the organism you observed is a type of zooplankton or phytoplankton?
2. What are the two groups that zooplankton is divided into called?