

Section Review

Marine Ecosystems

USING KEY TERMS

1. Use each of the following terms in a separate sentence: plankton and estuary.

UNDERSTANDING KEY IDEAS

- _____ 2. Water temperature
- a. has no effect on the animals in a marine ecosystem.
 - b. affects the types of organisms that can live in a marine ecosystem.
 - c. decreases gradually as water gets deeper.
 - d. increases as water gets deeper.
3. What are three abiotic factors that affect marine ecosystems?

4. Describe four major ocean zones.

5. Describe five marine ecosystems. For each ecosystem, list an organism that lives there.

Section Review *continued*

MATH SKILLS

6. The ocean covers about 71% of the Earth's surface. If the total surface area of the Earth is about 510 million square kilometers, how many square kilometers are covered by the ocean? Show your work below.

CRITICAL THINKING

7. **Making Inferences** Animals in the Sargasso Sea hide from predators by blending in with the sargassum. Color is only one way to blend in. What is another way that animals can blend in with sargassum?

8. **Identifying Relationships** Many fishes and other organisms that live in the deep ocean produce light. What are two ways in which this light might be useful?

9. **Applying Concepts** Imagine that you are studying animals that live in intertidal zones. You just discovered a new animal. Describe the animal and adaptations the animal has to survive in the intertidal zone.
