

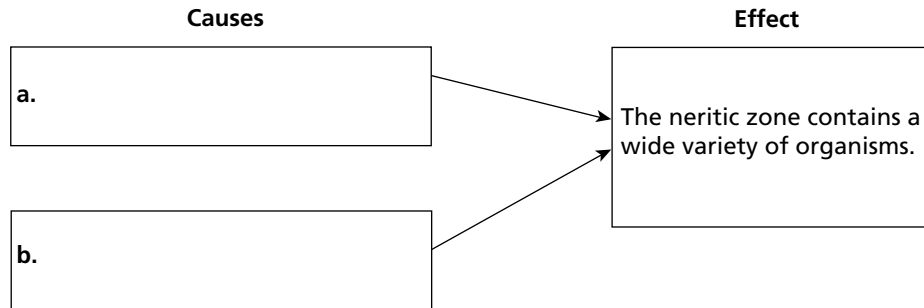
**Ocean Zones** ▪ *Guided Reading and Study*

## The Neritic Zone and Open Ocean

*This section describes living conditions and types of organisms found in water over the continental shelf and in the open ocean.*

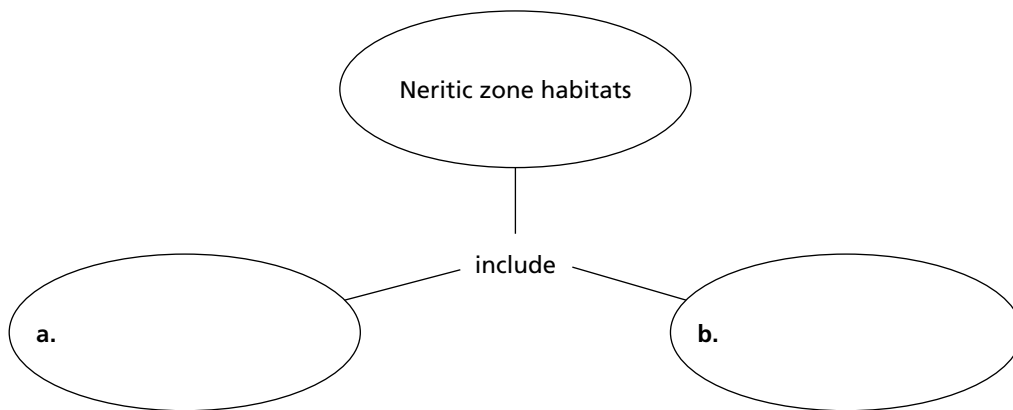
### Use Target Reading Skills

As you read, identify the conditions that affect life in the neritic zone.



### Conditions in the Neritic Zone

- The part of the ocean that extends from the low-tide line out to the edge of the continental shelf is called the \_\_\_\_\_. The part of the ocean that extends beyond the edge of the continental shelf is called the \_\_\_\_\_.
- Circle the letter of each sentence that helps explain why there is so much life in the neritic zone.
  - The water is shallow.
  - The water is high in nutrients.
  - Large, plantlike algae grow there.
  - Upwelling never occurs there.
- Complete the concept map.

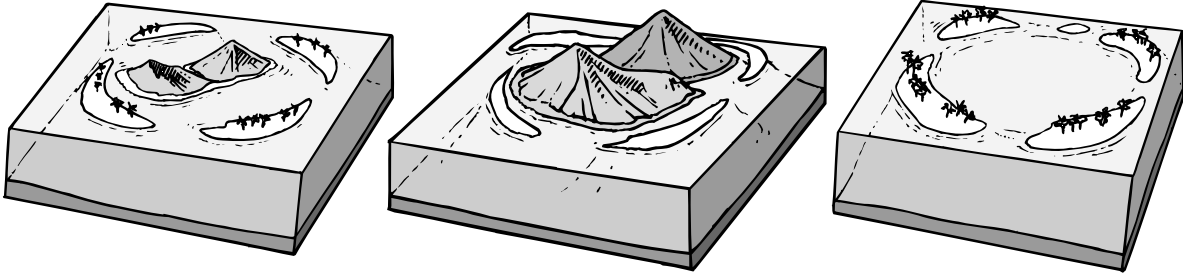


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**The Neritic Zone and Open Ocean** *(continued)*

**Coral Reefs**

4. Is the following sentence true or false? A coral reef is made of living things. \_\_\_\_\_
5. Number the drawings to show the correct sequence of steps in the formation of an atoll.



*Match the type of coral reef with its description.*

Type of Reef	Description
_____ 6. atoll	a. Reef that is separated from land by a lagoon
_____ 7. fringing reef	b. Ring-shaped reef that surrounds a shallow lagoon
_____ 8. barrier reef	c. Reef that closely surrounds the edges of an island

9. Is the following sentence true or false? Reefs protect coastlines during violent storms. \_\_\_\_\_

**Life in a Kelp Forest**

10. Circle the letter of each sentence that is true about kelp.
  - a. They are algae.
  - b. They produce their own food.
  - c. They provide food for sea otters.
  - d. They provide a home for sea slugs.
11. What important role do sea otters play in a kelp forest?

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**Conditions in the Open Ocean**

12. Is the following sentence true or false? The open ocean supports fewer organisms than the neritic zone. \_\_\_\_\_
13. Is the following sentence true or false? The surface zone is the only part of the open ocean that receives enough sunlight to support the growth of algae. \_\_\_\_\_
14. How is the deep zone like a desert?  
\_\_\_\_\_  
\_\_\_\_\_
15. The production of light by living things is called \_\_\_\_\_.
16. An area in which heated ocean water rises through cracks in the ocean floor is a(n) \_\_\_\_\_.
17. Circle the letter of each sentence that is true about organisms around hydrothermal vents.
- a. Bacteria produce food from chemicals in the hot water.
  - b. Tubeworms get their food from the bacteria inside them.
  - c. Algae form the base of the food web.
  - d. Giant clams feed on the algae.