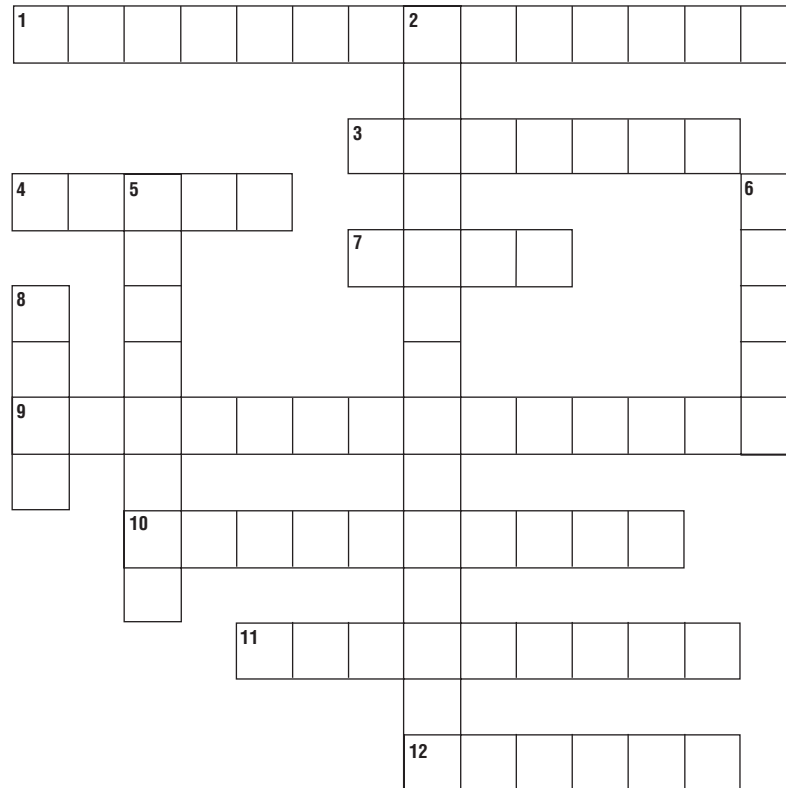


## Chapter Review

# Ocean Motion

## Part A. Vocabulary Review

**Directions:** Use the clues below to complete the puzzle.



### Across

1. Causes the wind and surface currents to turn (two words)
3. A collapsing wave
4. A low area on Earth
7. Rhythmic movements that carry energy through matter and space
9. Movement that occurs when more dense seawater sinks under less dense seawater
10. The difference between sea level at high tide and at low tide (two words)
11. Vertical circulation that brings deep, cold water to the ocean's surface
12. Lowest point of a wave

### Down

2. Mass movement of water horizontally (two words)
5. Measure of the amount of salts dissolved in seawater
6. Highest point of a wave
8. Rise and fall in sea level

**Chapter Review** (continued)**Part B. Concept Review**

**Directions:** Answer the following questions on the lines provided.

1. Describe how Earth's oceans may have been formed.

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2. Ocean water contains dissolved gases and salts. From where do such substances originate?

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3. List two reasons why some substances do not remain dissolved in the water for long periods of time.

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4. How does the Coriolis effect cause surface currents to move in certain directions?

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5. Why are currents on the western coasts of continents relatively cold, whereas currents on the eastern coasts are relatively warm?

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6. Explain the movement of water molecules in waves.

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7. Explain how breakers form.

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8. Explain the difference between spring and neap tides.

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