

CHAPTER REVIEW**Chapter 9****Ocean Water and Life****I. Vocabulary Review**

Match each item in Column I with the most appropriate item in Column II. Write the letter for that item in the blank at the left.

Column I	Column II
_____ 1. lowest point of a wave	a. wavelength
_____ 2. measure of the amount of dissolved salts in water	b. respiration
_____ 3. process of releasing energy in which oxygen is used and carbon dioxide is produced	c. upwelling
_____ 4. upward movement of cold water	d. trough
_____ 5. marine organisms that move by swimming	e. salinity
_____ 6. distance between the crests of a wave	f. wave height
_____ 7. distance between the crest and trough of a wave	g. nekton

II. Concept Review

If the underscored word or phrase makes the sentence true, write "TRUE" in the space provided. If the underscored word or phrase makes the sentence false, write the correct term or phrase in the space provided.

- _____ 8. In the ocean, waves usually are caused by gravity.
- _____ 9. Water waves consist of three motions.
- _____ 10. Tides are caused by wind.
- _____ 11. A wide variety of plants and animals thrive in the intertidal zone.
- _____ 12. Today, ocean water covers nearly half of Earth's surface.
- _____ 13. The salinity of ocean water is constant.
- _____ 14. Oxygen dissolved in ocean water is used by green plants to synthesize food.
- _____ 15. Most surface currents are caused by wind.

Chapter Review 9 (continued)

III. Skills/Process Review

16. Complete the concept map in Figure 1 to show the origin of ocean water.

Answer the following questions in complete sentences.

17. Explain the relationship between water temperature and density. _____

18. Explain the relationship between salinity and density.

19. Explain how wind causes waves. _____

20. Explain what causes a wave to break. _____

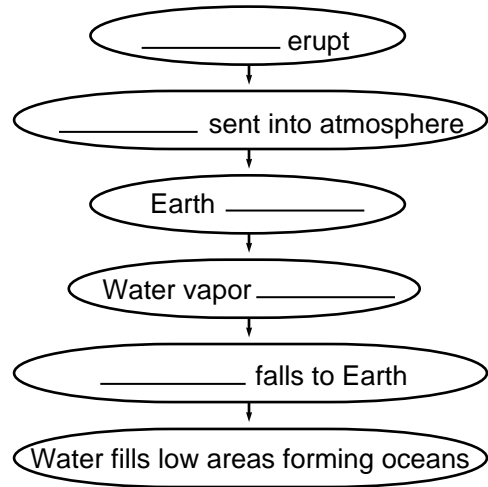


FIGURE 1

IV. EYV Review

21. **Literature Connection: Two Views of the Ocean** What does Rachel Carson mean when she says, “Everything in the ocean is necessary for the survival of something else in the ocean.”

