

## Chapter 17

Text Pages 490–495

## STUDY GUIDE

## ● Ocean Waves and Tides

Match the items in Column I with the terms in Column II. Write the letter on the blank at the left.

## Column I

- \_\_\_\_\_ 1. Force exerted by objects on every other object
- \_\_\_\_\_ 2. Exerts a strong pull on water in the ocean
- \_\_\_\_\_ 3. Movement in which water, whether in an ocean, lake, or swimming pool, alternately rises and falls
- \_\_\_\_\_ 4. Difference between high and low tide
- \_\_\_\_\_ 5. Created by the collapse of a wave
- \_\_\_\_\_ 6. Highest point of a wave
- \_\_\_\_\_ 7. A rise and fall in the surface level of the ocean caused by a giant wave
- \_\_\_\_\_ 8. When high tides are higher and low tides are lower than normal
- \_\_\_\_\_ 9. Vertical distance between a wave's crest and trough
- \_\_\_\_\_ 10. Horizontal distance between crests of successive waves
- \_\_\_\_\_ 11. Lowest point of a wave
- \_\_\_\_\_ 12. When high tides are lower and low tides are higher than normal

## Column II

- a. breaker
- b. neap tide
- c. crest
- d. gravity
- e. spring tide
- f. tidal range
- g. tide
- h. trough
- i. moon
- j. wave
- k. wave height
- l. wavelength

13. Label Figures 1–4 as either *spring tide* or *neap tide*.

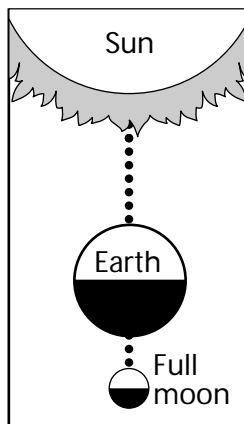


FIGURE 1

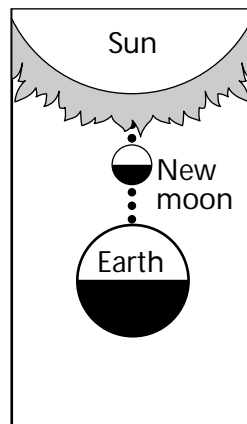


FIGURE 2

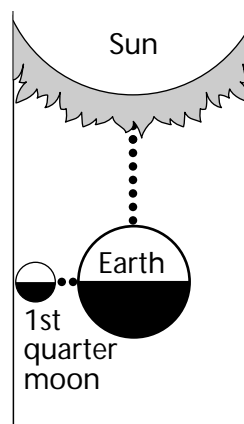


FIGURE 3

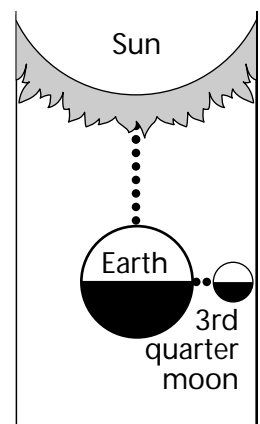


FIGURE 4