

Earth, Moon, and Sun ▪ *Guided Reading and Study*

Phases, Eclipses, and Tides *(continued)*

Tides

15. The rise and fall of ocean water are called _____.

16. What force pulls the moon and Earth toward each other?

17. Why do tides occur?

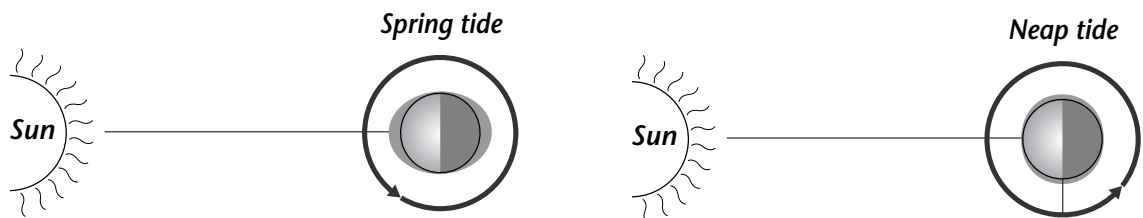
18. Circle the letter of each sentence that is true about tides.

- a. The point on Earth that is closest to the moon has a high tide.
- b. Every location on Earth has two high tides per month.
- c. A low tide occurs at the point on Earth farthest from the moon.
- d. The point on Earth farthest from the moon has a high tide.

19. What is a spring tide?

20. What is a neap tide?

21. On each of the illustrations below, draw a moon to show its position at a spring tide or at a neap tide.



22. Circle the letter of each of the phases of the moon when a spring tide occurs.

- a. new moon
- b. first quarter
- c. full moon
- d. third quarter