

# Mapping Our World

## SECTION 2.1 *Latitude and Longitude*

In your textbook, read about latitude and longitude.

Match the definition in Column A with the term in Column B.

### Column A

- \_\_\_\_\_ 1. Science of mapmaking
- \_\_\_\_\_ 2. Imaginary line that separates Earth into northern and southern hemispheres
- \_\_\_\_\_ 3. Distance in degrees north or south of the equator
- \_\_\_\_\_ 4. Distance in degrees east or west of the prime meridian
- \_\_\_\_\_ 5. Reference point for longitude that passes through Greenwich, England, and represents  $0^\circ$

### Column B

- a. prime meridian
- b. longitude
- c. cartography
- d. equator
- e. latitude

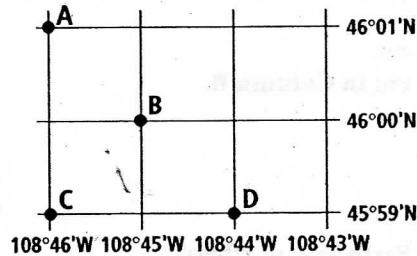
In the space at the left, write *true* if the statement is true; if the statement is false, change the italicized word or phrase to make it true.

- \_\_\_\_\_ 6. The equator is located halfway between the north pole and the *prime meridian*.
- \_\_\_\_\_ 7. Lines of *latitude* run parallel to the equator.
- \_\_\_\_\_ 8. The equator is at  $180^\circ$  latitude.
- \_\_\_\_\_ 9. The south pole is at  $90^\circ$  south *longitude*.
- \_\_\_\_\_ 10. *One degree* of latitude is equivalent to about 111 km on Earth's surface.
- \_\_\_\_\_ 11. Each degree of latitude is divided into *360 minutes*.
- \_\_\_\_\_ 12. Lines of longitude are also called *meridians*.
- \_\_\_\_\_ 13. The prime meridian is the reference line for *latitude*.
- \_\_\_\_\_ 14. Points east of the prime meridian are located between  $0^\circ$  and  $180^\circ$  east longitude.
- \_\_\_\_\_ 15. Lines of longitude are *semicircles* that extend from the north pole to the south pole.
- \_\_\_\_\_ 16. Each degree of longitude corresponds to about 111 km at the *north pole*.
- \_\_\_\_\_ 17. All meridians converge at the *poles*.

**SECTION 2.1** *Latitude and Longitude, continued*

In your textbook, read about locating places with coordinates.

Use the map grid to answer the following questions.



18. What is the latitude of point A?
- \_\_\_\_\_
19. Which two points have the same latitude? What is that latitude?
- \_\_\_\_\_
- \_\_\_\_\_
20. What is the longitude of point B?
- \_\_\_\_\_
21. Which two points have the same longitude? What is that longitude?
- \_\_\_\_\_
- \_\_\_\_\_
22. What are the coordinates of point C?
- \_\_\_\_\_

In your textbook, read about time zones.

Circle the letter of the choice that best completes the statement or answers the question.

23. Into how many time zones is Earth divided?
- a. 12                      b. 24                      c. 60                      d. 360
24. Approximately how wide is each time zone?
- a. 15°                      b. 30°                      c. 60°                      d. 180°
25. The International Date Line is located at the
- a. 0° line of latitude                      c. 0° meridian
- b. 180° line of latitude                      d. 180° meridian
26. When you travel east across the International Date Line, you
- a. advance your calendar one day                      c. move your calendar back one day
- b. advance your calendar 12 hours                      d. move your calendar back 12 hours