

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	Column B
_____ 1. Science of mapmaking	a. prime meridian
_____ 2. Imaginary line that separates Earth into northern and southern hemispheres	b. longitude
_____ 3. Distance in degrees north or south of the equator	c. cartography
_____ 4. Distance in degrees east or west of the prime meridian	d. equator
_____ 5. Reference point for longitude that passes through Greenwich, England, and represents 0°	e. latitude

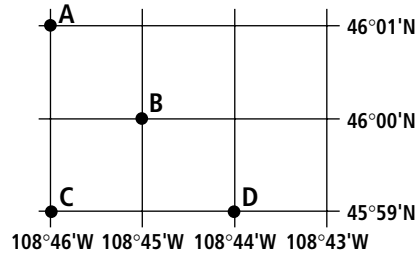
In the space at the left, write *true* if the statement is true; if the statement is false, change the italicized word or phrase to make it true.

- _____ 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°* latitude.
- _____ 9. The south pole is at 90° 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° and 180°* 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