

Chapter 25

Use with Section 1

ENRICHMENT

● **Planet Earth**

Determining Hours of Daylight

The illustrations show the length of day at every 10° of latitude for the winter and summer solstices in the northern hemisphere. On each figure, begin at the equator, which has daylight hours of 12 hours and 0 minutes, and label every 10 degrees north and south of the equator to the 60° latitude north and south. Mark the final north and south latitude shown 66.5°. From this latitude to the poles, the daylight hours remain the same. Use the figures to help you answer the questions.

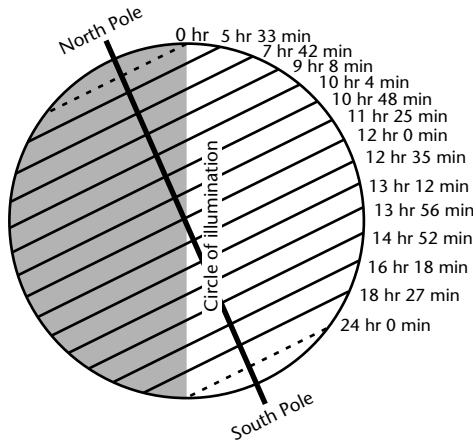


FIGURE 1

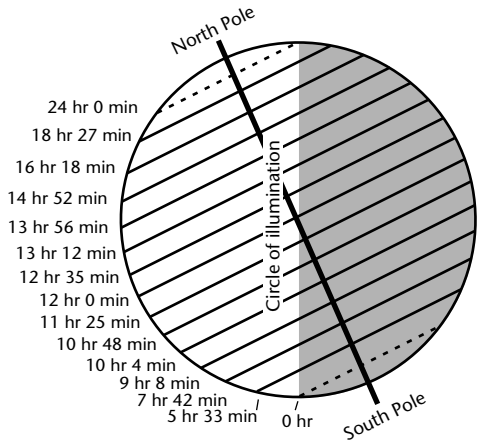
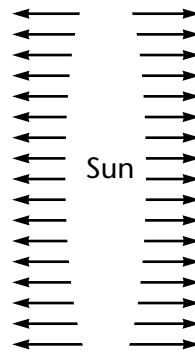


FIGURE 2

- Which figure shows the summer solstice for the northern hemisphere? How do you know?

- If you lived at 50° north latitude, how many hours of daylight would you have during the summer solstice? During the winter solstice? _____

- If the figures were used to show the summer and winter solstices in the southern hemisphere, which figure would show the summer solstice in the southern hemisphere? How do you know? _____

- If you lived at the north pole, how many daylight hours would you have at the summer solstice? At the winter solstice? _____
