

# 14-3 What causes the seasons?

## Lesson Review

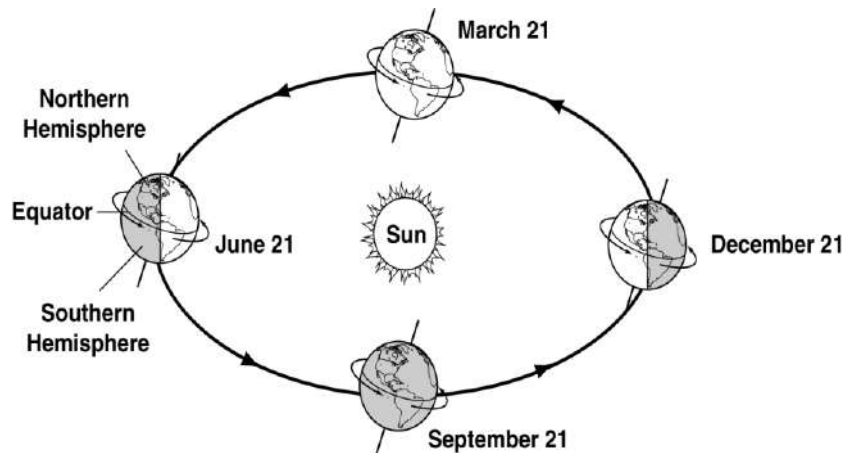
Write *true* if the statement is true. If the statement is false, change the underlined term to make the statement true.

- \_\_\_\_\_ 1. When the North Pole is tilted toward the Sun, the Northern Hemisphere has fewer daylight hours.
- \_\_\_\_\_ 2. During winter, the combination of fewer daylight hours and less direct rays of the Sun causes lower temperatures.
- \_\_\_\_\_ 3. When the Northern Hemisphere is tilted toward the Sun, it has summer.
- \_\_\_\_\_ 4. The seasons are caused in part by the tilt of Earth's axis.
- \_\_\_\_\_ 5. During summer, the Sun's rays are less direct.
- \_\_\_\_\_ 6. Direct rays produce more heat than indirect rays.
- \_\_\_\_\_ 7. The seasons in the Northern Hemisphere and the Southern Hemisphere are the same.

## Skill Challenge

**Skills:** *interpreting, applying concepts*

Use the diagram to answer the following.



- 1. Does Earth revolve around the Sun in a clockwise or counterclockwise direction as viewed from above? \_\_\_\_\_
- 2. a. What season begins in the Northern Hemisphere on December 21? \_\_\_\_\_  
 b. What season begins in the Southern Hemisphere on December 21? \_\_\_\_\_
- 3. a. What season begins in the Northern Hemisphere on March 21? \_\_\_\_\_  
 b. What season begins in the Southern Hemisphere on March 21? \_\_\_\_\_
- 4. Does the Northern Hemisphere receive direct or indirect rays from the Sun on June 21? \_\_\_\_\_