


Name \_\_\_\_\_

Date \_\_\_\_\_

# Lesson Outline

Lesson 6

## Earth, the Moon, and the Sun

Fill in the blanks.  Reading Skill: Cause and Effect - questions 2, 5, 10, 11, 14, 17, 19, 22, 23

### How Do the Sun, Earth, and the Moon Move?

1. As Earth moves around the Sun, it spins, or rotates.
2. As Earth spins, the part that is facing the Sun has day.
3. The real or imaginary line that a spinning object turns around is an axis.
4. Earth's axis is an imaginary line drawn between the North and South Poles.
5. Scientists think that the tilt of Earth's axis was caused by a large object hitting Earth.

### Why Are There Seasons?

6. While Earth is spinning on its axis, it also revolves, or moves in a circular path, around the Sun.
7. Earth's trip around the Sun takes one year or 365 $\frac{1}{4}$  days.
8. The path Earth travels around the Sun is called an orbit.
9. Earth's orbit is shaped like an ellipse, or flattened circle.
10. Earth's tilt causes seasons because of the different ways the Sun's rays strike parts of Earth.

### How Do the Moon and Earth Compare?

11. From Earth, the Moon looks big because it is close to Earth.
12. The Moon is about one-fourth as wide as Earth.



13. The force that holds things on the ground and determines how much they weigh is gravity.
14. Gravity is stronger on Earth than on the Moon, so things weigh more on Earth than on the Moon.
15. Instead of making its own light, the Moon reflects the light of the Sun.
16. The Moon revolves around Earth.
17. The Moon is dusty and lifeless because it has no air or liquid water.
18. The surface of the moon has mountains, large flat plains, and thousands of pits in the ground called craters.
19. The Moon's craters may have been formed by volcanoes, but most were caused by chunks of rock and metal from space crashing into the Moon.
20. The first missions to the Moon used robots and unmanned spacecraft.

### What Makes the Moon Look Different?

21. Half of the Moon always faces the Sun, and the other half is always in darkness.
22. As the Moon travels around Earth, it appears to change shape because we see different amounts of its lighted half.
23. During a New Moon, you can't see the lighted half of the Moon because the Moon is between the Sun and Earth.
24. During a Full Moon, you can see all of its lighted side.