

Name: _____ Date: _____

Answer Key: Chasing Shadows: A First Grade Sun and Moon Challenge

Imagine waking up to see where the Sun is and watching the Moon change shapes before bed while learning how Earth moves through space.

1. What is the name of the big star that gives Earth light and heat during the day?

Answer: C) The Sun

The Sun is the star at the center of our solar system that provides the light we see during the daytime.

2. The Sun moves around the Earth every day.

Answer: B) False

It looks like the Sun moves, but it is actually the Earth spinning that makes the Sun seem to rise and set.

3. When our side of Earth faces away from the Sun, it is _____.

Answer: B) Night

Night happens when your part of the Earth is turned away from the Sun's light.

4. Which of these is the shape of the Earth?

Answer: C) Round like a ball

Earth is a sphere, which is a 3D shape that is round like a ball.

5. The Moon glows with its own light just like a lightbulb.

Answer: B) False

The Moon does not make its own light; it reflects light from the Sun like a mirror.

6. Earth _____ around once every 24 hours to give us day and night.

Answer: B) Spins

Earth's rotation, or spinning, is what creates the cycle of day and night.

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7. What is the closest neighbor to Earth in space?

Answer: A) The Moon

The Moon is the closest natural object to Earth in space.

8. There are stars in the sky during the day, even if we can't see them.

Answer: A) True

Stars are always there, but the Sun's light is so bright during the day that it hides them.

9. A _____ Moon looks like a bright, white circle in the sky.

Answer: C) Full

A Full Moon is the phase where we see the entire side of the Moon that is lit up by the Sun.

10. Which tool do scientists use to look at planets and stars to make them look bigger?

Answer: B) Telescope

A telescope is used by astronomers to see objects that are very far away in space.