

Name: \_\_\_\_\_ Date: \_\_\_\_\_

## Answer Key: Blast into Brilliant Bright Skies: 2nd Grade Space Quiz

Learners grasp the mechanics of shadows and celestial cycles with these 10 targeted questions on our planet's movement through the galaxy.

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**1. Imagine you are standing outside at lunchtime and your shadow is very short. Where is the Sun in the sky?**

**Answer:** C) High overhead

When the Sun is directly above you at midday, it creates a very short shadow because the light is hitting you from the top down.

**2. Earth is shaped like a giant ball, which scientists call a \_\_\_\_.**

**Answer:** B) Sphere

A sphere is a 3D shape like a ball, which is the true shape of the Earth in space.

**3. The Sun actually moves across the sky while the Earth stays perfectly still.**

**Answer:** B) False

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

**4. If it is daytime in the United States, what is happening on the exact opposite side of the world in India?**

**Answer:** B) It is nighttime

Because Earth is a sphere, the Sun can only light up one side at a time. While one side has day, the other is in shadow (night).

**5. Earth spins around an imaginary line called an \_\_\_\_.**

**Answer:** C) Axis

The axis is the invisible line that runs through the North and South Poles which Earth rotates around.

**6. The Moon glows with its own light just like a giant lightbulb.**

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**Answer:** B) False

The Moon does not make its own light; it reflects the light coming from the Sun.

**7. How long does it take for Earth to complete one full spin (rotation)?**

**Answer:** D) One day

It takes 24 hours, which is one day, for the Earth to spin around one time.

**8. The path the Earth takes as it travels around the Sun is called its \_\_\_\_.**

**Answer:** A) Orbit

An orbit is the curved path an object in space takes around a star or planet.

**9. Why do the stars seem to move across the sky at night?**

**Answer:** B) The Earth is rotating

Just like the Sun in the day, the stars appear to move because Earth is spinning while we look at them.

**10. The Earth is always the same distance from the Sun as it orbits.**

**Answer:** B) False

Earth's orbit is a slightly oval shape called an ellipse, so it is actually a little closer or further at different times of the year.