

Science Study Guide

Chapter 12: "Earth and Space Science"

1. The planets, their moons, and the other objects that orbit the sun are part of the _____.

Answer: solar system

2. The sun is a star located in the center of our solar system. Why does the sun look bigger than the other stars?

Answer: The sun is the star closest to Earth.

3. Why do living things on Earth need the sun?

Answer: Living things on Earth need light and heat that they get from the sun.

4. Why does the sun look like it rises and sets?

Answer: The sun only looks like it is moving. It is really Earth that is moving.

5. The Earth spins on its axis. This rotation causes day and night. When your side of Earth is facing the sun, you have _____. When your side of the Earth is facing away from the sun, you have _____. Earth makes 1 complete rotation on its axis each day.

Answer: day, night.

6. The Earth moves around the sun in an orbit. How long does it take the Earth to orbit the sun 1 time?

Answer: 1 year

7. The tilt of the Earth and the Earth's orbit around the sun cause the seasons to change. Which season is it when your part of the Earth is tilted toward the sun?

Answer: Summer

8. What is a constellation?

Answer: A constellation is a group of stars that forms a picture.

9. What object appears the brightest in the night sky?

Answer: Moon

10. What is a crater? How are they formed on the moon?

Answer: A crater is a hole in the ground that is shaped like a bowl. A crater is formed when a large rock from space hits the moon.

11. Where does the moon's light come from?

Answer: The moon does not make its own light. It reflects light from the sun.

12. The shape of the lighted part of the moon changes. What is this called?

Answer: The phases of the moon