
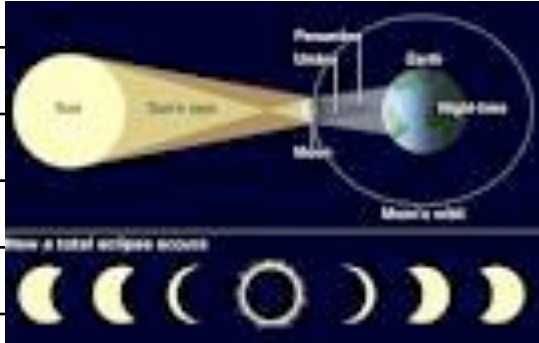


Patterns in the Sky Study Guide	
1. What is the name of the imaginary line that the Earth spins on called?	1. Axis
2. What causes shade beneath an umbrella?	2. The umbrella blocking the sunlight.
3. The Earth _____ one time a day and it takes _____ hours to do this.	3. rotates 24
4. When are shadows the shortest?	4. They are shortest at noon.
5. We live in the northern hemisphere. In which month does the northern hemisphere tilt away from the Sun?	5. It tilts away from the Sun in December.
6. The tilt of the _____ and its revolution around the _____ causes the seasons to change on Earth.	The <u>tilt</u> of the Earth and its <u>revolution</u> around the Sun causes the seasons to change on Earth.
7. Do we have more daylight or darkness in the summer months? Would we have a greater amount of daylight in the summer months compared to the winter months?	We have more daylight in the summer months. Yes, the amount of daylight would be greater in the summer months compared to the winter.
8. How long does it take the Moon to go around the Earth once?	It takes about as long as it takes the Moon to rotate once on its axis. About 28 days.
9. What is this Moon phase called?	9. Crescent Moon
10. What causes a lunar eclipse?	10. The Sun, Earth, and Moon, are in a straight line and the Earth casts a shadow on the Moon.



11. Why do some stars appear less easy to see or more dim?	11. They are farther away from Earth than other stars.
12. Explain why we need the Sun to shine on Earth.	12. Use some or all of the following words to answer the question. warmth, heat, light, see, grow, food, energy
13. Describe a constellation.	13. A <i>constellation</i> is a group of stars that make an imaginary shape in the night sky.
14. The stars in the sky seem to rotate around the _____ star.	The stars in the sky seem to rotate around the <u>North</u> star.
15. Explain why the Full Moon is bright at night?	Use words like Sun , reflection , or bounce off of in your explanation.
	
16. Draw a picture of a solar eclipse.	
	or
	
	The Sun, Moon, and Earth are in a straight line and the moon casts a shadow on the Earth.