

Name: _____ Test Date: _____

Patterns in the Sky Study Guide

Part 1: Match the following vocabulary words with their definitions:

1. _____ rotate	a. This is caused by the tilt of the earth's axis and the earth revolving around the sun.
2. _____ revolve	b. This season occurs when the earth is tilted towards the sun.
3. _____ day	c. This season occurs when the earth is tilted away from the sun.
4. _____ night	d. to spin or turn on its axis
5. _____ seasons	e. to move around, or orbit, an object
6. _____ summer	f. This time of day happens when we are facing towards the sun.
7. _____ winter	g. This time of day happens when we are facing away from the sun.
8. _____ shadows	h. An ancient tool used to tell time.
9. _____ sundial	i. This forms when an object blocks light.

Part 2: Answer the following questions.

10. Shadows are the _____ in the morning and afternoon.
11. Shadows are the _____ at noon.
12. Can you see your shadow at night? _____
13. The four seasons are _____, _____, _____, and _____
14. We have _____ days in the summer and _____ days in the winter.
15. It takes the Earth _____ to rotate on its axis. This causes day and night.
16. It takes the Earth _____ to revolve, or orbit, around the sun. This causes our seasons.
17. What would happen if the Earth did not rotate?
 - a. We would have to sleep all day.
 - b. We would have day or night ALL the time.
 - c. The moon would disappear.

*This study guide is a great tool to study with your child. However, it is not meant to be memorized. We expect for students to be familiar and knowledgeable over the content in this study guide. The test will require students to apply these concepts to different problems and situations. Remember that the 2nd grade science website and your student's Google Classroom have many valuable resources to study with as well!

