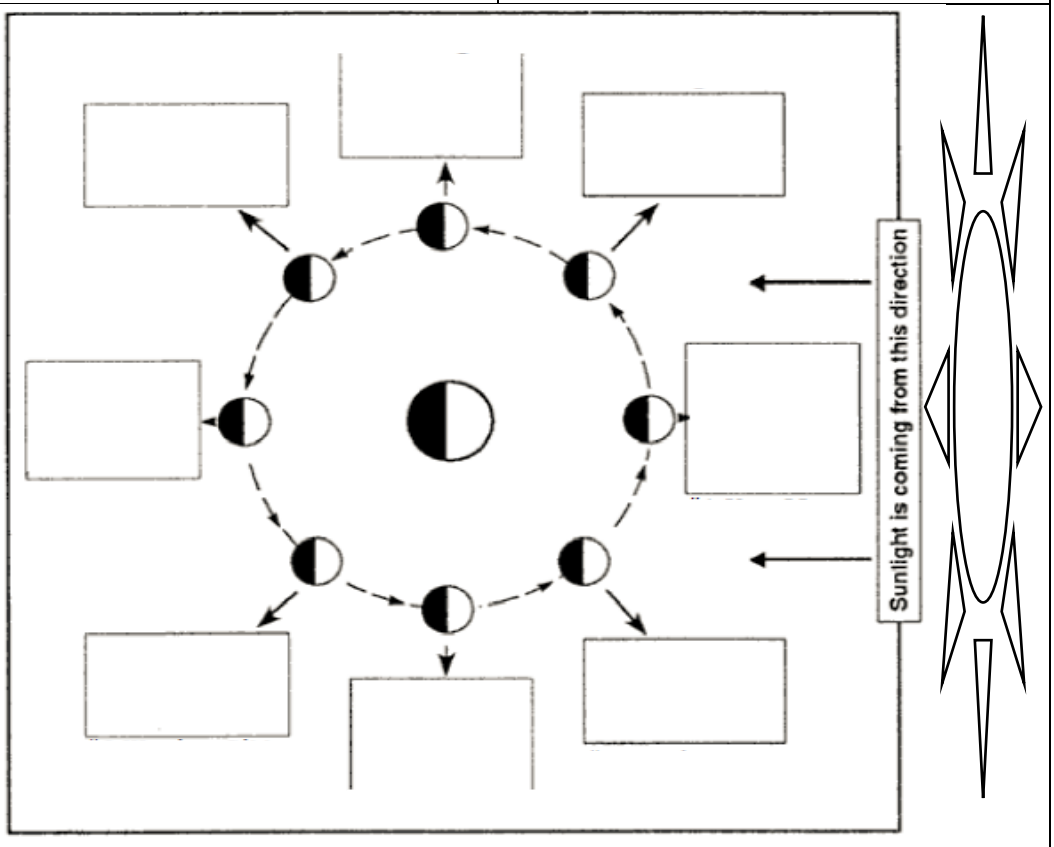
Day & Night and Phases of the Moon Study Guide Name _____ Test: _____

Vocabulary

axis	An _____line through the _____of an object
rotate	To _____ on an _____
revolve	To move _____ another _____
equator	The _____ line that _____earth _____ between the North and South _____
phases of the moon	The _____ ways the _____ looks throughout the _____
new moon	_____ of the moon when none of the Moon's _____ side is _____
crescent moon	_____ of the _____when only a _____ shape can be seen
quarter moon	The moon has _____ a quarter of the orbit around Earth and _____of the moon's sunlit side is _____
full moon	_____ of the _____ when _____ the Moon's bright side is _____
waxing moon	_____ the new moon, an _____ amount of the _____ side of the _____ can be seen
waning moon	_____ a full moon, an _____ amount of the sunlit side of the _____ can be seen

1. What is the apparent path of the sun?	The sun rises on the _____ and sets in the _____.	
2. What cause the cycle of day and night?	Earth's _____ on its _____ causes day and night.	
3. Which position of the Sun will produce the shortest shadow?	Circle the correct answer: <u>high in the sky</u> or <u>low on the horizon</u>	
4. Which position of the Sun will produce the longest shadow?	Circle the correct answer: <u>high in the sky</u> or <u>low on the horizon</u>	
5. Why do we see different phases of the moon?	The changes are caused by the way _____ strikes the _____ as it _____ around Earth.	
6. Name the 8 phases of the moon in order from New Moon and illustrate each.	1.	5.
	2.	6.
	3.	7.
	4.	8.
7. Label the different phases of the moon.		

Name _____ Test Date _____

Day & Night and Phases of the Moon Study Guide

Vocabulary

axis	An imaginary line through the center of an object
rotate	To turn on an axis
revolve	To move around another object
equator	The imaginary line that circles earth halfway between the North and South Poles
phases of the moon	The different ways the Moon looks throughout the month
new moon	Phase of the moon when none of the Moon's bright side is visible
crescent moon	Phase of the moon when only a thin shape can be seen
quarter moon	The moon has revolved a quarter of the orbit around Earth and half of the moon's sunlit side is visible
full moon	Phase of the moon when all the Moon's bright side is visible
waxing moon	After the new moon, an increasing amount of the sunlit side of the moon can be seen
waning moon	After a full moon, an decreasing amount of the sunlit side of the moon can be seen

Questions

8. What is the apparent path of the sun?	The sun rises on the east and sets in the west.
9. What cause the cycle of day and night?	Earth's rotation on its axis causes day and night.
10. Which position of the Sun will produce the shortest shadow? (<u>high in the sky</u> or <u>low on the horizon</u>)	High in the sky produces the shortest shadow.

11. Which position of the Sun will produce the longest shadow?	Low on the horizon will produce the longest shadow.	
12. Why do we see different phases of the moon?	The changes are caused by the way sunlight strikes the Moon as it revolves around Earth.	
13. Name the 8 phases of the moon in order from New Moon and illustrate each.	1. New Moon	5. Full Moon
	2. Waxing Crescent	6.Waning Gibbous
	3. First Quarter	7.Last Quarter
	4. Waxing Gibbous	8.Waning Crescent
14. Draw the moon in orbit around Earth and label the different phases of the moon.