

Name _____ Date: _____ Period _____

Web-quest review of seasons, tides, and Moon phases.

Part 1 SEASONS go to <http://www.ducksters.com/science/seasons.php>

1. Why do seasons occur? _____

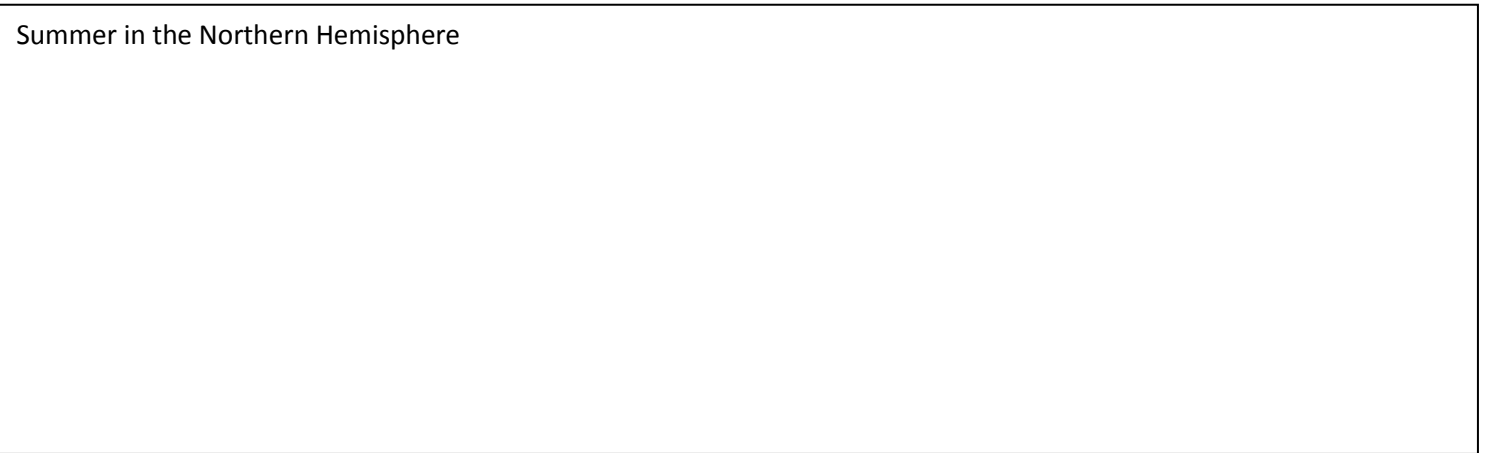
2. How is the earth tilted? _____

3. Why does the tilt of the earth matter? _____

4. What is the longest day of the year for the Northern Hemisphere? _____. What is the shortest day of the year for the Southern Hemisphere? _____. Why are they the same day? _____

5. In the box below draw the Sun and Earth with the Northern part of the Earth during summer time be sure to show the tilt of the Earth and how the Sun's rays are hitting it. **(similar but not the same as the one on the page)**

Summer in the Northern Hemisphere



Part 2 PHASES OF THE MOON got to http://www.ducksters.com/science/phases_of_the_moon.php

6. The phases of the moon are caused by? _____

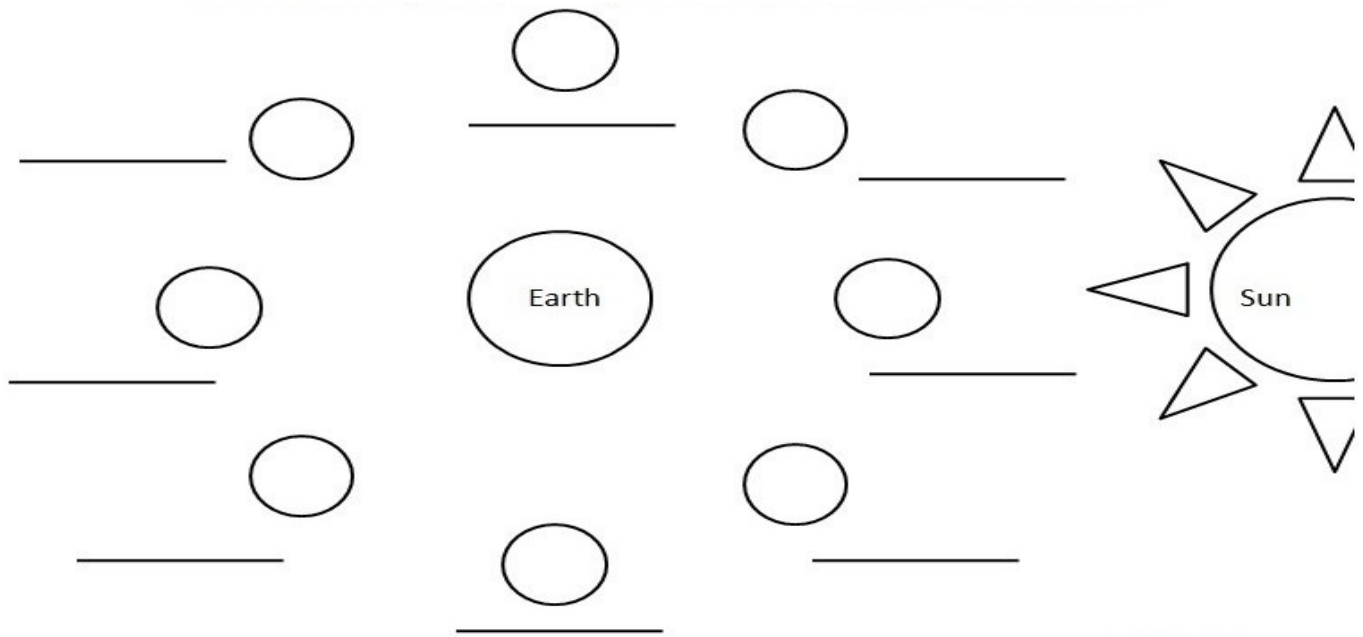
7. What is the difference of a Waxing Moon and a Waning Moon?
Waxing means _____

Waning means _____

8. Eclipses, explain each.
A Solar eclipse is _____

A Lunar eclipse is _____

9. Fill in and label the diagram showing the moon phases below (shade each phase)



Part 3 OCEAN TIDES go to http://www.ducksters.com/science/earth_science/ocean_tides.php

10. What are tides? _____

11. What are the three things that cause ocean tides?

1. _____
2. _____
3. _____

12. What of the three has the biggest affect on the ocean tides? _____

13. What is tidal range? _____

14. The same tidal forces that cause tides in the oceans affect the solid Earth how?

15. In the box below Draw and label the diagram of the Moon and the Earth showing the high and low tide areas the moon causes.

A diagram of high and low tides on the Earth caused by the Moon.

