

Name _____ Period _____ Date _____

3rd Six Weeks Earth & Space Review

1. Use the following terms to answer the questions a-e: **gravity; landforms; liquid water; living things; produce light; reflect light; revolve; rocky crust/surface; rotate on axis; satellite; sphere-shaped; star; orbits another object.**

a. How the Sun is different from the Earth and Moon? _____

b. How the Earth is different from the Sun and Moon? _____

c. How the Moon is different from the Sun and Earth? _____

d. How are the Earth and Moon similar? _____

e. How are the Sun, Earth, and Moon similar? _____

2. What is it called when the Earth spins/turns on its axis? How long does one spin take?

3. What causes the day and night cycle?

4. Why does it seem like the Sun is moving across the sky throughout the day?

5. The sun rises in the _____ and sets in the _____.

6. Where is the sun located at the following times:

a. Sunrise: _____

b. Noon: _____

c. Sunset: _____

7. How long does it take to go from Sunset to the next Sunset? _____

8. A year is the time it takes the Earth to _____ around the Sun once, which is _____ days.

9. Rank the Sun, Earth, and Moon in order of their size:

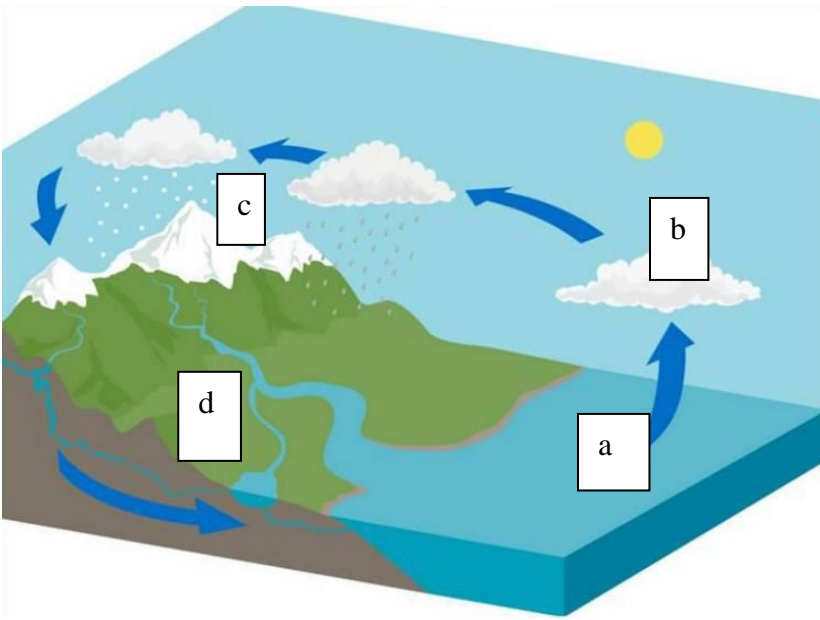
Biggest:

Middle:

Smallest:

10. Draw a diagram of the Sun/Earth/Moon and how they move in relation to one another:

11. In the diagram above what orbits what?



12. Name and explain the stages of the water cycle

- a. _____ :
- b. _____ :
- c. _____ :
- d. _____ :

13. What is the main source of energy that drives the water cycle? _____

This energy causes what part of the water cycle? _____

14. Where does most evaporation take place and why? _____

15. How does shade affect how fast water will evaporate? _____

16. How does the sun affect the ocean? _____

Use the following chart to answer the questions below:

A student wanted to see how fast salt water would evaporate from the ocean. They wanted to see if the amount of light the ocean got affected the amount of water evaporated.

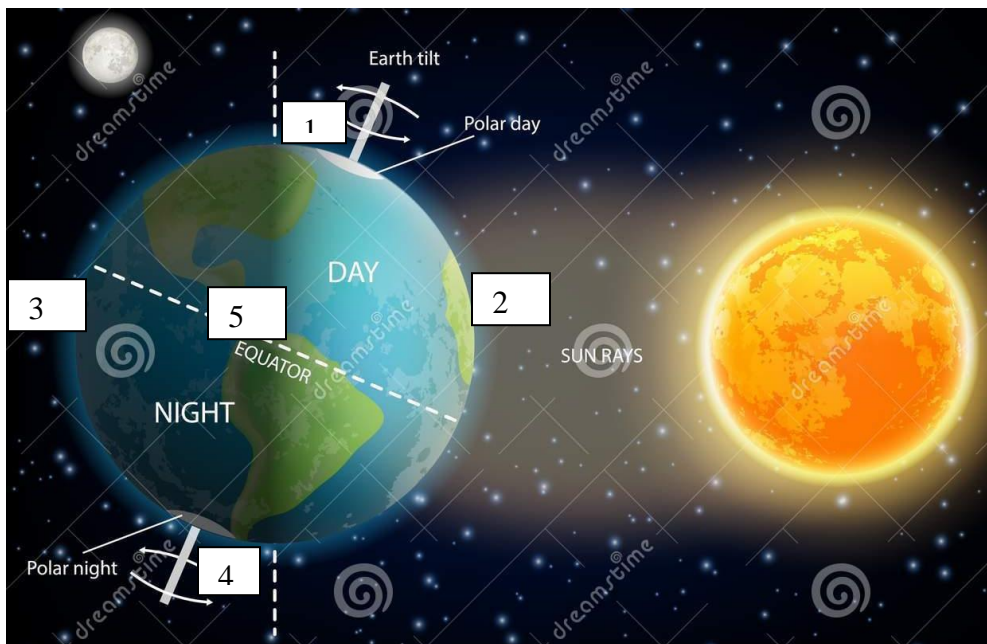
Location	7:30 AM	10:30 AM	1:30 PM	4:30 PM
Outside under a tree (shaded)	60 ml	55 ml	48ml	44 ml
Outside on the basketball court (direct sun)	60 ml	51 ml	44 ml	40 ml
In the science teachers closet (no light)	60 ml	58 ml	56 ml	54 ml
In the window of the cafeteria (Sunny)	60 ml	55 ml	51 ml	49 ml

17. In which situation did the LEAST amount of evaporation occur? _____

18. In which situation did the MOST amount of evaporation occur? _____

19. How do you know which situation did the most amount of evaporation occur? _____

Using the model below answer the following questions:



20. What season is the Northern Hemisphere experiencing? _____

21. What number(s) on the globe is experiencing night: _____

22. What number(s) is about to experience sunrise: _____

23. What number(s) is about to experience sunset: _____