

Name \_\_\_\_\_ Date \_\_\_\_\_ # \_\_\_\_\_

## **Solar System Review**

1. The \_\_\_\_\_ is the center of the solar system which all the planets revolve around.
2. The Earth spins on its \_\_\_\_\_. This is called \_\_\_\_\_. The earth takes \_\_\_\_\_ hours or to rotate. We call this time \_\_\_\_\_.
3. The Earth revolves or \_\_\_\_\_ around the sun. This takes \_\_\_\_\_ days. We call this time \_\_\_\_\_.
4. Draw a picture to show the earth's movement in space- both rotating and revolving. Use arrows to show movement and labels to explain your drawing.

5. What is the difference between rotating (rotation) and revolving (revolution)?

6. The earth revolves or orbits around the \_\_\_\_\_ and the moon revolves or orbits around the \_\_\_\_\_.
7. What keeps the earth and other planets in orbit around the sun? \_\_\_\_\_
8. Order the objects from smallest (1) to largest (3).

\_\_\_\_\_ Earth                      \_\_\_\_\_ Moon                      \_\_\_\_\_ Sun

9. Order the objects from closest (1) to farthest (3) from earth.

\_\_\_\_\_ Sun                      \_\_\_\_\_ Moon                      \_\_\_\_\_ North Star

10. In a model of the solar system, if the sun were represented by a cantaloupe what would be the best object to represent the earth?

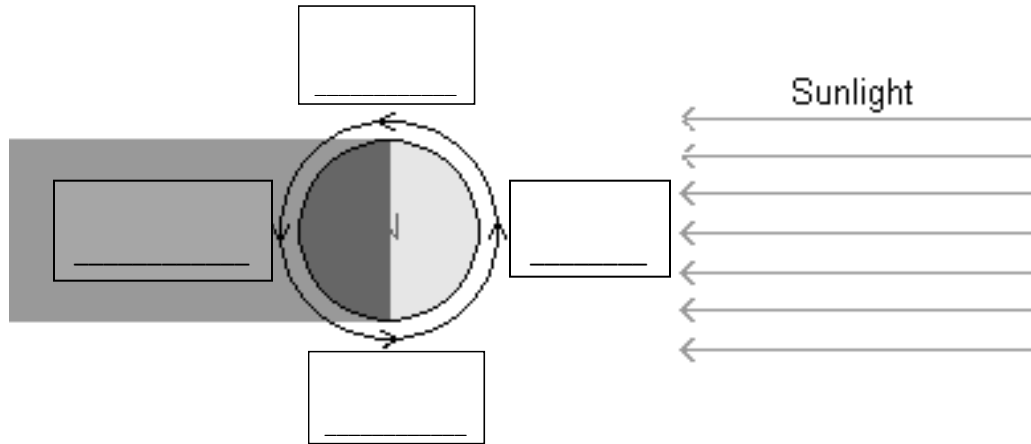
- |           |                    |
|-----------|--------------------|
| a. peach  | b. watermelon      |
| c. cherry | d. strawberry seed |

11. The Earth moves west to east which causes the sun to appear to move \_\_\_\_\_ to \_\_\_\_\_. The sun appears to rise in the \_\_\_\_\_ and set in the \_\_\_\_\_. Draw a picture of how the sun appears to rise, move across the sky, and set.

12. What causes day and night on earth?

- a. The sun moves so far away from the earth that the sun's light doesn't reach the surface of the earth.
- b. The rotation of the earth on its axis which causes one side of the earth to face away from the sun.
- c. The earth gets covered with a black blanket for part of the day.
- d. The sun is revolving around the earth and so the sun's light is not able to reach the earth.

13. Write the times of day, sunrise, sunset, noon, and midnight in the correct boxes.



14. The sun as well as the moon and stars appear to move across the sky because...

- a. The sun, moon, and stars do not appear to move across the sky
- b. The sun, moon, and stars are moving across the sky.
- c. The earth is rotating which causes the sun, moon, and stars to appear to move across the sky.
- d. They just do.

15. The earth and moon are alike in all the following ways except:

- a. They are both round
- b. They both have frozen water
- c. They both have an atmosphere
- d. They both are made of rock

16. The earth and sun are alike in that they both:

- a. Make their own light
- b. Give off heat and light energy
- c. Have an atmosphere
- d. Are made of rock

17. The moon and sun are alike in that they both:

- a. Do not Support life
- b. Do not have an atmosphere
- c. Are made of gas
- d. Make their own light

18. Draw a model of the solar system showing the planets in order from the sun and label.