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

**Solar System Test**

**Match each term with the correct definition**

\_\_\_\_\_\_1. Solar System a. A force that keeps planets in orbit

\_\_\_\_\_\_2. Gravity b. Consists of eight planets, their moons, and the Sun

\_\_\_\_\_\_3. Star c. Made out of dust and particles

\_\_\_\_\_\_4. Sun d. Center of our solar system

\_\_\_\_\_\_5. Axis e. Our Earth rotates on this

**Fill-in each sentence using the correct term from the word bank.**

**mass orbit gravitational pull weight moons float**

The sun has the largest \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. It holds planets and other objects in the solar system and allows for the planets to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. The planets also have gravity and they hold their \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in orbit. Without gravity everything will \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ into space. If you were to travel to space your \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ would change depending on how gravity pull on you. But your \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ would stay the same.

**What planet am I? Use the word bank to answer the questions.**

**Earth Jupiter Mercury**

1. I am the smallest planet. It takes me three months to revolve around the Sun.

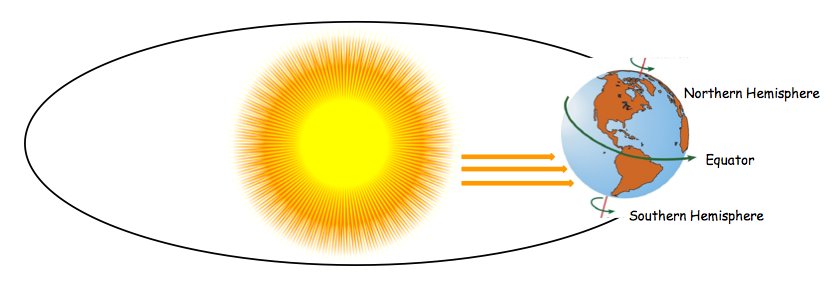
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. I am the largest planet and have a set of rings that are barely visible in natural light.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. I have four seasons and I am the largest inner planet.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Explain what is going on in the picture below**.

1. The sun shines directly on the
   1. Northern Hemisphere
   2. Southern Hemisphere
2. Summer is going on \_\_\_\_\_\_\_\_\_\_\_\_\_\_ of the equator.
   1. North
   2. South
3. Winter is going on \_\_\_\_\_\_\_\_\_\_\_\_\_\_ of the equator.
   1. North
   2. South

**Multiple Choice. Circle the correct answer. Then write the letter on the line.**

\_\_\_\_\_\_\_1. The sun provides this for the Earth. If not, the Earth would be a lifeless ball of ice.

* 1. Heat
  2. Energy
  3. All of the above

\_\_\_\_\_\_\_\_2. Rotation determines:

1. Night and day
2. A year
3. A century
4. A decade

\_\_\_\_\_\_\_\_3. Where does a comet live?

1. Kuiper Belt
2. Oort Cloud
3. Earth
4. Both A and B

\_\_\_\_\_\_\_4. Where are asteroids found?

1. Oort Cloud
2. Earth
3. Asteroid Belt
4. Mars

\_\_\_\_\_\_\_\_5. What develops a tail as it starts to melt?

1. Dust
2. Meteor
3. Planet
4. Comet

\_\_\_\_\_\_\_\_\_6. What does a meteor turn into if it hits Earth’s surface?

1. Meteorite
2. Meteor
3. Planet
4. A star

**Essay**

**Explain the difference between rotation and revolution. Fill in the blank using the words in the word bank.**

**Sun Seasons Earth Rotates Day Night Year Revolves**

The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is in the center of our solar system. Our Earth \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ every day. This creates \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. The Earth also \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ around our sun. One of these creates a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, which is also 365 days. When the Earth does this it causes \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. These include Summer, Fall, Winter and Spring.