

Name \_\_\_\_\_  
Date \_\_\_\_\_ Per \_\_\_\_\_  
Teacher \_\_\_\_\_

## Unit 1.2 - Earth's Place in the Solar System Study Guide

Directions: Write your answers on another sheet of paper in **complete sentences**. Do not write on this paper.

1. What two factors affect the strength of gravity?
2. When a planetary body is orbiting the sun, when in its orbit is the planet going the fastest? The slowest?
3. Do more massive objects fall to Earth faster than less massive objects? Explain.
4. Describe the relationship between distance and the strength of gravity.
5. The moon's gravitational pull is what fraction of that of Earth's?
6. Where does Earth's gravity pull towards?
7. What is gravity?
8. What galaxy do we reside in? What type of galaxy is it?
9. Approximately how many stars are in Milky Way galaxy?
10. The sun is approximately how old?
11. What is located at the center of our galaxy?
12. What is the difference between a galaxy and a solar system?