**Chapter 4 Study Guide (Due Friday 11/15/13) Answer on a separate sheet of paper.**

1. What is found in the solar system and where is it found (make a list in order)?
2. How did the solar system form?
3. What is the difference between heliocentric and geocentric?
4. What did Galileo 1st observe that caused him to believe that the Earth may not be the center of the universe?
5. Why does the temperature vary greatly on Mercury and our moon?
6. What characteristics are common to the inner planets?
7. What characteristics are common to the outer planets?
8. Which planet(s) have or had liquid water on its surface?
9. Why are Earth and Venus called sister planets?
10. What is an astronomical unit and why do scientists use it?
11. What is a satellite?
12. What determines a day on a planet? What determines a year on a planet?
13. What is the difference between orbiting/revolving and rotating/spinning?
14. What do scientists use to measure the length of a flower petal? What do scientists use to measure temperature on our planet?
15. What is a scientific theory?
16. What is an independent variable? What is a dependent variable?
17. What is unique about each planet?
18. What holds the solar system together and causes the planets to move the way that they do?
19. Why is Pluto not a planet? Explain.
20. What is the difference between a meteoroid, a meteorite, an asteroid, and a comet?

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