Astronomy 2 Study Guide

1. Draw both the heliocentric and geocentric models of the solar system and label the following in each: Sun, Earth, Moon.

Geocentric

Heliocentric

2. Under each of the models above, list the astronomers that supported each of those models.

3. Which planets were visible to astronomers before the invention of the telescope?

4. Compare and contrast the inner and outer planets using the following criteria: Composition, size, distance between each other, number of moons.

Inner Planets	Outer Planets

5. Why is Earth the only planet in the solar system that supports life? In other words, what makes a planet habitable?

6. How are distances in the solar system measured?

7. Where is the asteroid belt located? The Kuiper belt? The Oort Cloud?

8. What is the difference between rotation and revolution? What do each of those create?

9. Draw a diagram that explains why a planet orbits the sun.

10. Referencing the above diagram, what would happen if gravity magically disappeared? If inertia disappeared?

11. What two factors affect gravity? Explain how each changes the effect of gravity.

12. Draw a diagram of a comet orbiting the sun.

13. What is the progression of a space rock as it from space to Earth's surface?