Name		Date	Period
	<u>Astronomy</u>	Test Study Guide: Part 1	
Vocabulary DEFINE/DESCRIBE EAC	CH WORD BELOW		
Heliocentric: this theory sta	tes that the sun is the c	center of the universe/sol	ar system
Geocentric: this theory state	es that the earth is the c	center of the universe/sol	ar system
Universe: everything that is	in space		
Solar System: sun is the cer	nter all of space bodies	orbit around it	
Milky Way galaxy- <mark>spiral g</mark>	alaxy; and our solar sy	estem is located in Orion	s arm (outer arm)
Terrestrial: another name fo	or all the inner planets	that mean Earth-like	
Inertia: the force that keeps	objects in motion that	have always been in mo	ion
Gravity: the force that attract	ets to objects together		
Big Bang: the theory that ex	xplains the creation of	the universe and it there	was an explosion from a Singularity
Asteroid: large space rock r	nade of rock, dust, son	ne metals that normally o	rbits the sun in the asteroid belt
Meteoroid: small space rocl	k that can be broken from	om an asteroid.	
Meteor: meteoroid that ente	ers the earth's atmosph	ere and starts to burn up	because of friction
Meteorite: a meteoroid that	strikes the earth and m	nakes a crater	

Comet: a space object that is made of ice, dust, rock, and gases that orbit the sun.

Short Answer

- 1. What is the heliocentric view of the Universe?

 This theory states that the sun is the center of the universe/solar system
- 2. Which scientists (2) believed to the heliocentric view? HCG Copernicus and Galileo
- 3. Describe the evidence observers may have used to support the heliocentric theory. Galileo saw that Jupiter has 4 moons and that Venus goes through moon phases
- 4. What is the geocentric view of the Universe? this theory states that the earth is the center of the universe/solar system
- 5. Which scientists (2) believed to the geocentric view? GAP Aristotle and Ptolemy
- 6. Describe the evidence observers may have used to support the geocentric theory. Believed that everything in space was in motion around the earth

S6E1.b Describe the relationship between gravity, position, and formation of heavenly bodies. Compare and contrast the characteristics of the planets in our solar system.

- 7. List the eight planets in order of their distance from the sun. Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune
- 8. What two forces keep the solar system in its current formation? Why? Gravity and inertia
- 9. What factors affect gravitational force and how?

 Mass and distance
- 10. List the planets from smallest to largest in size.

 Mercury, Mars, Venus, Earth, Uranus, Neptune, Saturn, and Jupiter
- 11. What are two other names for the outer planets? Jovian or gas giants
- 12. How does planet distance from the sun affect the period of revolution? Farther the planet is away from the sun, the longer the period of revolution
- 13. Which planet is called Earth's sister? Give two reasons why? Venus, because of the same size and shape
- 14. What characteristics do the inner planets all share? All inner planets are rocky and small

15. What are the main differences between asteroids and comets? Comets have ice and asteroids do not

16. What are the main differences among meteors, meteoroids and meteorites?

The position in the sky, meteors are in earth's atmosphere, meteoroids are still in space

17. What is the difference between an asteroid and meteoroid? Asteroid is bigger and meteoroid is smaller

- 18. What are the two main locations of asteroids and other debris from the origins of the universe? Asteroid belt and pieces of other planets
- 19. What are two likely reasons why more meteorites and dust debris collide with the other planets and moons than they do with Earth?

 Because the earth has an atmosphere that protects it
- 20. What is the shape of the Milky Way galaxy? Spiral galaxy
- 21. Draw and label where we are located in the Milky Way galaxy.
- 22. Define rotation.

When the earth spins on its axis

23. Define revolution.

When the earth orbits around the sun