## Universe Study Guide

Put these items in order from largest to smallest.

Planet - Universe - Moon - Solar System - Galaxy - Star

Largest		_			Smallest
Universe (	<del>S</del> alaxy	Solar System 1	Star	Planet	Moon

## Describe the following:

Universe	All of space
Galaxy	Millions of stats with some solar systems
	a group of planets around a central star

## Planets

Planets In Order From Sun	Number in Order of Size	Fact About Planet
Mercury	3	No atmosphere
Venus	6	Hotest
Farth	5	Life
Mars	7	Found Evidence of Water
Jupiter		Big Red Spot (Storm)
Saturn	Ż	Most Exquisite Pings
Mranus	3	Spins on its side and backwards
Neptune	4	Sometimes crosses path with Plyto
Plyto	9	Dwarf Planet

Jupiter ( Soction A	the outer planets.
Mα	.\$ <del>5</del>
What is a rotatio	n? Draw a picture to represent it as well as describe it with words.
Spin on a	axis SS
What is a revolu	tion? Draw a picture to represent it as well as describe it with words.
orbit aro	nug 271
gravity	keep the planets in orbit around the sun? Draw a picture to demonstrate it.
	erent space rock's.
Planet	orbit sun, clear orbit, spherical
Planet Moon	orbit sun, clear orbit, Spherical
Moon	orbits a planet
Moon Dwarf Planet	orbits a planet  orbits a planet  orbitsun, spherical, have not cleared orbit  orbitsun, ice and nock with coma and tail  space rodo mostly located in the asterbit belt
Moon  Dwarf Planet  Comet	orbit sun, clear orbit, spherical orbits a planet orbitsun, spherical, have not cleared orbit orbit sun, ice and rock with coma and tail
Moon  Dwarf Planet  Comet  Asteroid	orbits a planet  orbits a planet  orbitsun, spherical, have not cleared orbit  orbitsun, ice and sock with coma and tail  speace rodo mostly located in the asterbil belt

Where is the asteroid belt located? Mars & Jupiter

Where is the Kuiper belt located? Outer parts of solar system

Where do most long period comets originate? Ont Cloud

Describe each technology.

Telescope	see space From Earth
Satellite	orbits a planets
Space Probe	unmanned space explorers
Space Shuttle	manned space crouft
Hubble Telescope	telescope in orbit
International Space Station	Space lab

Describe each unit of measure and what space distance would be good to measure with it.

Ligh	nt Year	distance	light	tav	<b>չ</b> ե	u	year	au tsi J	la our	دک -	ar .	System
Astrono	mical Unit	distance	From	East	h to	اک	in /	things	inside	au.F	≤6/1	System
N	files	52 <b>8</b> 0 f	+	/	Eas	th	to	gf) <sub>200</sub>				

What are the two names for the star we to use to navigate? Draw a picture of how to find it.

What causes the apparent movement of the stars in the sky?

Potation of the Earth

How were constellations originally named and identified?

Mythology

Describe the two groups of constellations we talked about. List the constellations we talked about from each group.

Circumpolar	spin around the	Vrsa Major The his Dings
Constellations	North Star	Ursa Major / The big Dipper Ursa Minor / The little Dipper
	7081111 2124	1-
		Cepheus
	see all year	Cassippeia
	See on your	Draco
Winter		Orion
Constellations	see only	Canis Major
	in Winter	Canis Major Lanis Minor
		Gernini
		Auriga
		I Taurus