Introduction

	Name as many astronomical objects (planets, stars, etc.) as you can.
•	
	Describe what something astronomical (e.g. the night sky, the sun or moon, etc.) means to you in about 100 words – or, you can write a poem, draw something, create music, or anything else you want.
•	
	Universe
	• Universe Was the universe created in an alien laboratory?
•	
	Was the universe created in an alien laboratory? ———————————————————————————————————
	Was the universe created in an alien laboratory? Describe as precisely as you can, exactly where you are in the Universe — you cuse galactic, celestial, and geodetic coordinates too.

Stars, Galaxies, and Black Holes

8.	Harness the power the nearest star to construct a <i>cosmic death ray</i> .
9.	What is a <i>quasar</i> , and what is the likely source of its power?
10	Name five galaxy types, and give examples.
11.	What is a black hole? How do we know they exist?
12.	Could a Black Hole be used for intergalactic or time travel? How?
13.	Name three candidate black holes. Can you find them in the Night Sky?
14.	Name two variable stars currently visible in the Night Sky.
15.	What's the difference between <i>physical</i> and <i>optical</i> multiple stars?
16	What's the difference between <i>open</i> and <i>globular</i> star clusters?
Th	e Solar System
17.	Make a table of planets and their basic properties. (see Table 1)
18	What's the difference between a planet and a dwarf planet?
19.	Roughly how many moons are there in the Solar System?

Th	e	S	ea	3.5	o	n	S

20.	What is the cause of the seasons and what is seasonal lag?
21.	Which <i>planetary phenomenon</i> is the best time to view a planet?
Co	ordinate Systems
22.	What is the simplest way (coordinate system) to point out an object in the sky?
23.	What are two types of telescope mounts?
24.	What is the best type of telescope mount for <i>tracking</i> objects in the sky?
Ext	ra-terrestrial Life
1.	Are we alone?

Table 1: Physical Properties of the Solar System

	AU	Radius	Volume	Mass	Gravity (g)	Year	Day
Sun	92M mi					250M years***	
Moon	224K mi					27.32 days	
Mercury							
Venus							
Earth	1.0	6378 km	1x10 ¹² km ³	6x10 ²⁴ kg	9.81 m/s²	365 days	24 hours
Mars							
Ceres							
Jupiter							
Saturn							
Uranus							
Neptune							
Pluto							