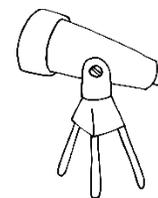


Name _____ Date _____ Period _____

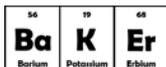


Stellar Tours: Part 1

To find the links for this WebQuest, go to thesciencequeen.net > students > stellar tours

Question	Answer in COMPLETE Sentences.
Site 1: How big is the Universe?	
1.	In the 3 rd century BC, who measured the distance to the moon?
2.	How did he measure the distance to the moon?
3.	What is parallax?
4.	Astronomers use parallax to determine what?
5.	If our solar system were the size of a quarter, how far away would Proxima Centauri be?
6.	In 1908, Henrietta Leavitt discovers a way to tell the "wattage" of certain pulsating stars by observing how long it takes them to brighten and dim. The method helps scientists do what?
7.	In 1924, Edwin Hubble presents the first evidence of what?
8.	If our Milky Way galaxy was the size of a CD/DVD disk, how far away would the nearest galaxy, Andromeda be to us?





9.	If our Milky Way galaxy was the size of a CD/DVD disk, how far away would the edge of the observable universe be to us?	
10.	What will NASA's LISA mission look for?	
Site 2: Scale of the Universe: Click on the object to learn more about it.		
11.	The Saturn V rocket was how many meters long? What was it used for?	
12.	How big, in meters, is the Hoover Dam? What is the name of its reservoir?	
13.	How many km is Cruithne? This object is also known as Earth's _____.	
14.	How much bigger than Texas is Pluto?	
15.	How much bigger is the largest moon in the solar system, Ganymede, than our moon?	
16.	Wolf 359 is known as what type of star? How close is it to Earth?	
17.	gm stands for what measurement?	
18.	How many times larger is the sun in diameter to the Earth?	
19.	What is the name of the brightest star in the night sky? Why does it appear to be the brightest when it is only a white dwarf?	



20.	This star is the brightest star in the constellation Boötes. How many kilometers across is it?	
21.	A tetrameter is how many meters? Kilometers?	
22.	What is the name of the largest known star? If it were placed in our solar system where would it extend to?	
23.	How far is a light - day?	
24.	How far is a petameter?	
25.	Is a petameter smaller or larger than a light year? Explain your answer.	
26.	How big is the Orion Nebula? In what constellation can it be found?	
27.	How large is a zettameter?	
28.	Why is our galaxy called the Milky Way galaxy?	
29.	How far has the Earth travelled since its formation? How much slower is it than the speed of light?	
30.	What is the name of the largest known galaxy? How big is it?	
31.	What is a yottameter? What do you think the prefix yotta- means?	
32.	What is the largest known object in the universe? How big is it?	