

Name _____ Date _____ Block _____

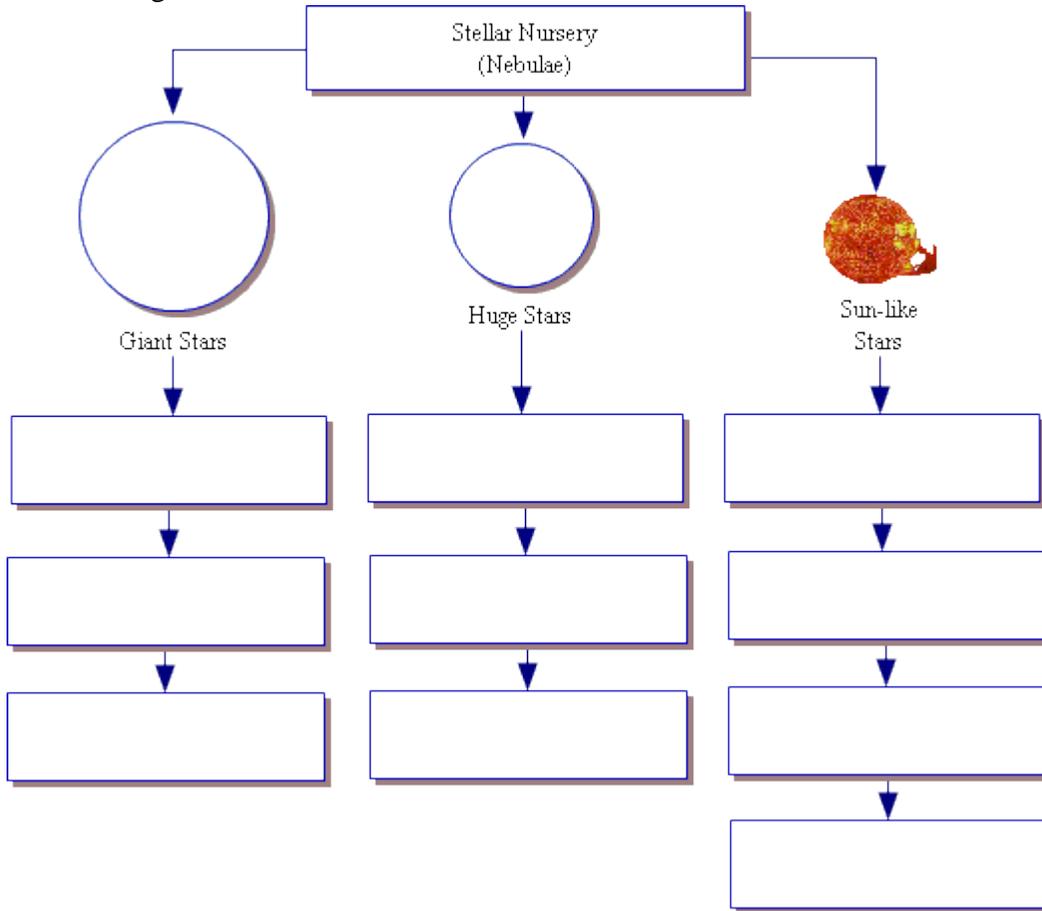
Super Stars

Go to www.thesciencequeen.net Click on students, projects, then super stars.

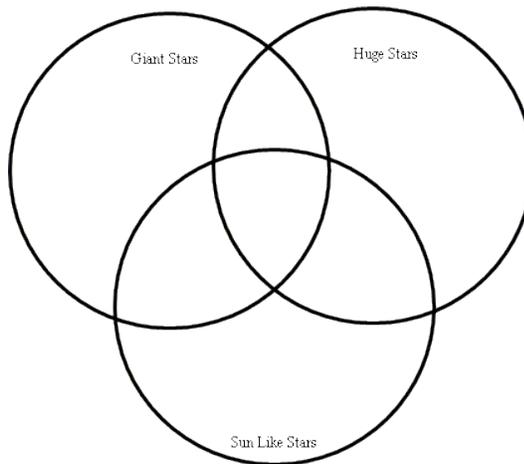
Site 1: Life Cycle of a Star

Look at the diagram, and then fill out the one below.

1.



Look at the diagram you just filled in. Compare and contrast the stars in the diagram below.



Site 2: Solar System Exploration

Click on the menu on the left hand side of the screen to navigate this site. (They are in order. For Example, for question #2 click the Sun.)

2. What space ship has traveled farther than the Sun? _____
3. The spacecraft, the second to visit Mercury, will settle into orbit in March 2011. _____
4. This is the next planned mission to Venus. _____ The orbiter will follow Venus' thick cloud layers as they are whipped around the planet by hurricane-force winds.
5. What mission will help determine the impact of increased human activity on the Moon's thin exosphere? _____
6. This mission is on a 3-billion-kilometer (1.7-billion-mile) journey to the asteroid belt to orbit asteroid Vesta and dwarf planet Ceres _____
7. This is probably the most famous Meteor shower. Every one of the meteors from this shower is a tiny piece of the comet Swift-Tuttle. _____
8. If _____ had been about 80 times more massive, it would have become a star rather than a planet.
9. This space mission has been studying the ringed gas giant from orbit since 2004. _____
10. The first planet found with the aid of a telescope. _____
11. La Verrier & Galle used math to discover this planet. _____
12. _____ will be the first spacecraft to visit Pluto and the Kuiper Belt.
13. _____ are leftovers from the dawn of the solar system around 4.6 billion years ago, and consist mostly of ice coated with dark organic material.
14. The _____ considered to be the "edge" of our solar system

Site 3: Science Monster

We are going to take a tour of the solar system. Click on the planets (and our moon) going in order from the planet that is closest to the sun.

15. Why doesn't Mercury doesn't have any moons? _____
16. If your weight on Earth was 100lbs, your weight on Mercury would be _____

17. To escape Venus' gravity and get out into space, a rocket would have to travel at a speed of _____
18. If your weight on Earth was 100lbs, your weight on Venus would be _____
19. _____ astronauts have gotten to walk on the moon!
20. It would take _____ moons to fit inside the Earth!
21. If your weight on Earth was 100lbs, your weight on the moon would be _____
22. Mars has the tallest mountain in the solar system named _____
and the longest & deepest canyon in the solar system named _____
23. If your weight on Earth was 100lbs, your weight on Mars would be _____
24. Jupiter's four Galilean moons are _____, _____, _____, and _____
25. This moon of Jupiter has active volcanoes. _____
26. If your weight on Earth was 100lbs, your weight on Jupiter would be _____
27. If your weight on Earth was 100lbs, your weight on Saturn would be _____
28. What gas in Uranus's atmosphere makes it look blue? _____
29. If your weight on Earth was 100lbs, your weight on Uranus would be _____
30. _____ is the only really decent sized moon of Neptune. It was discovered way back in 1846.
31. If your weight on Earth was 100lbs, your weight on Neptune would be _____

Site 4: Pictures in the Sky

32. Cetus is the _____ sent by Neptune to devour Andromeda.
33. Ophiuchus is also known as the _____. He was named after _____ physician who was later made a god
34. In mythology, Hydra was a giant beast with the body of a _____ and 100 _____ heads.

35. Monoceros is a faint constellation associated in older times with the shape of a _____

36. Corvus, the crow, was punished by Apollo. Why?

37. What eight constellations are visible in March?

Site 5: All about the sun

Click on the Diameter of the Sun

38. How large is a solar granule? _____

39. How large is a sun spot? _____

40. How many Earth's could fit across the Sun? _____

GO back to main menu & click on Distance to the Sun

41. If the Earth was the size of a golf ball, and the Moon a marble; on average how far away from the Earth away from the moon? _____

42. If the Earth was the size of a golf ball, how far away would Venus be? _____

43. The average distance between the Earth & the sun is called the _____

44. If the Earth was the size of a golf ball, big would the sun be? _____

45. If the Earth was the size of a golf ball, how far away would the sun be? _____

Site 6: Kid's Astronomy

46. How many moons does Jupiter have? _____

47. Jupiter's moon Europa is named after whom? _____

48. What do all the moon names of Uranus have in common? _____

49. How many moons does Neptune have? _____

50. What is the name of Pluto's moon? _____

51. Who is Pluto's moon named for? _____