

Name: _____ Date: _____ Period: _____

Unit 2 Review: Our Solar System

1. Where was the majority of the matter in the early solar system located? (Before the nuclear fission happened in the protosun)
2. After nuclear fission was established in the protosun, what happened to the remaining gasses in the nebula?
3. What is the "snowline"?
4. Why do scientists think that there was no water inside the snowline?
5. Which planets were made up of mainly refractory materials?
6. Which planets were made up of mainly volatile materials?
7. Based upon data, there is supposed to be another planet roughly four times the size of Earth between Jupiter and Mars. Why is there not a planet there? And what is there now?
8. Scientists believe that the objects that could not form into planets (like comets and asteroids) are important because...
9. How did the terrestrial planets get water if it was too hot for water to form inside the snowline?

30. What were some of the main factors that scientists were looking to be explained when they tried to explain the formation of the Moon?

31. Know the 8 phases of the Moon and their order.

32. Be able to recognize or draw the phases of the Moon.

33. Describe the Moons rotation around its axis as well as how this is related to its revolving around the Earth.

34. What is a sidereal month?

35. What is a synodic (or lunar) month?

36. Describe what a Solar Eclipse is.

37. Describe what a Lunar Eclipse is.

38. What is the Umbra?

39. What is the Penumbra?

40. Why do we not get Solar and Lunar eclipses very often?

41. Be able to describe what type of tide you will be seeing at the beach based on where the Moon is in the sky.

42. What is the Magnetosphere and why is it important?

43. What are auroras and how do they form?