

Name: _____

Introduction to Oceanography 112 - M. Yasuda
Date: August 27, 2009
Information and resources – Week 1

Reading

1. Origin of the Solar system, Earth and Oceans

Chapter 2: Pages 40-58.
Key diagram(s): 2: 3, 11, 15

2. Working in Marine Science (optional)

Appendix IX: Pages 553-556

Vocabulary list

- | | |
|-----------------|-----------------------------|
| 1. Universe | 11. Asteroid |
| 2. Big bang | 12. Fusion |
| 3. Galaxy | 13. Condensation |
| 4. Nebula | 14. Impacts and bombardment |
| 5. Solar system | 15. Accretion |
| 6. Star | 16. Solar wind |
| 7. Planet | 17. Outgassing |
| 8. Supernova | 18. Density |
| 9. Dust | 19. Density stratification |
| 10. Gas | |

Homework -

Send me an e-mail this week to confirm your e-mail address. I'll reply back.

Interesting websites

Images from the Hubble telescope

<http://hubblesite.org/gallery/>

Photos of galaxies, nebulae and more

In-class activities

1. Make a timeline of the following events:

1. Formation of moon
2. Formation of the Sun
3. Earth's atmosphere becomes oxygenated
4. Development of Earth's iron core
5. Big Bang
6. Life develops on Earth
7. Initiation of the universe
8. Formation of the solar system
9. Formation of the Earth

2. Concepts

- a. What is condensation?
- b. What is accretion?
- c. What is planetary differentiation?