

## **Chapter 1a (p. 2-20) Questions — Earth First Look Chapter Questions**

1. What is the age of the Universe?
2. \*\*When did Earth and our solar system form?
3. \*\*What is the solar nebula hypothesis and what are the 5 stages of that lead to the modern solar system (Homogenous to Heterogeneous)?
4. How do we know Earth's age?
5. \*\*Explain how the composition of Earth evolved after forming (Homogenous to Heterogeneous).
6. Understand the concept of differentiation (Homogeneous to Heterogeneous).
7. Compare and contrast igneous, sedimentary, and metamorphic rocks.
8. Know the rock cycle.
9. Know how Earth's moon formed and the evidence for why scientists believe it formed this way.
10. What is the difference between felsic rocks and mafic rocks
11. (Basic Physics) Understand density and why any substance floats, sinks or rises.
12. \*\*How is isostatic equilibrium of Earth's crust similar to the floating equilibrium of a cargo ship?