**Geology-Chapter 1**

**Geology Principles, Scientific Method, & Lab Safety**

**Objectives and Vocabulary**

**Objectives**

* Define Geology
* Describe the formation of the Earth and solar system
* Distinguish between inner and outer planets
* Describe Earth’s sources of internal heat
* Identify and differentiate the four major spheres of the Earth
* Differentiate between the three parts of the geosphere
* Define the term system and explain how Earth is an open system
* Describe Earth’s two major sources of energy
* Explain why the scientific method can be a cyclical process
* Identify steps of the scientific method
* Differentiate between the terms control, variable, independent variable, and dependent variable
* Compare and contrast scientific hypotheses, theories, and laws

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**Vocabulary**

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| Geology | Nebular Hypothesis | Hydrosphere | Atmosphere |
| Geosphere | Biosphere | Core | Mantle |
| Crust | Uniformitarianism | System | Accretion |
| Deep time  | Scientific Method | Hypothesis | Theory |
| Law | Control | Variable | Independent variable |
| Dependent Variable |  |  |  |