

## Unit 3 Section 1 Study Guide

**Directions: Answer the following questions.**

### **Reviewing Objectives Part 1:**

1. Explain why the Earth is essentially a closed system. Pages: 32-33, 36-38, 48-49
2. Analyze the interactions between the major systems (geosphere, atmosphere, hydrosphere, biosphere) that make up the Earth.
3. Explain, using specific examples, how a change in one system affects other Earth systems.

### **Reviewing Major Concepts Part 2: *Textbook Chapter 27 sections 1, Chapter 2 section 2***

1. Describe the nebular hypothesis.
2. Explain how planetesimals differ from protoplanets.
3. Describe how planets developed.
4. Explain how Earth can be considered a system.
5. Compare an open system with a closed system.
6. List two characteristics of each of Earth's four major spheres.