

Unit 4 Section 1 Study Guide

Directions: Answer the following questions.

Reviewing Objectives Part 1:

1. Describe Earth's principal sources of internal and external energy (e.g. radioactive decay, gravity, solar energy) Pages: 34-35, 556-560, 570-571, 770-771
2. Describe the interior of the Earth (in terms of crust, mantle, and inner and outer cores) and where the magnetic field of the Earth is generated. Pages: 28-30, 298, 688

Reviewing Major Concepts Part 2: *Chapter 2 section 1,2 , Chapter 22 section 2*

1. Summarize how scientists learn about Earth's interior.
2. Compare Earth's compositional layers with its structural layers.
3. Identify the possible source of Earth's magnetic field.
4. List two characteristics of each of Earth's four major spheres.
5. Identify the two main sources of energy in Earth's system.
6. Describe how gases and particles in the atmosphere interact with light rays.
7. Describe how visible light and infrared energy warm Earth.
8. Explain how variations in the intensity of sunlight can cause temperature differences on Earth's surface.