

Unit 6 Section 2 Study Guide

Directions: Answer the following questions.

Reviewing Objectives Part 1:

1. Describe natural processes in which heat transfer in the Earth occurs by conduction, convection, radiation. Pages: 252-254
2. Explain why tectonic plates move using the concept of heat flowing through mantle convection, coupled with the cooling and sinking of aging ocean plates that result from their increased density. Pages: 252-254

Reviewing Major Concepts Part 2: *Chapter 10 section 2*

1. Describe the role of convection currents in plate movement.
2. Describe how ridge push and slab pull contribute to the movement of tectonic plates.

CRITICAL THINKING

3. Making Inferences How do convergent boundaries add material to Earth's surface?
4. Determining Cause and Effect Explain how the outward transfer of heat energy from inside Earth drives the movement of tectonic plates.