## Lesson: Convection in the Mantle

**Standards: 7th Grade Science: R 8.1.8, 8.1.9**

**7th Grade Language Arts:** (A) **7.1.III-** Create a summary including the main idea and the most important facts, details, and/or ideas from informational/expository text.

**Prior Learning:** Plate Tectonics

**Objectives:** Students will explain why earth plates are moving

**Materials:** Computer with access to the Internet, worksheet (attached) color pencils

**Vocabulary:** Plate Tectonics, Convection, Mantle, Kinetic energy, Dense

**Procedure:**

After watching the Khan Academy Video on Convection in the Mantle, students will summarize the main points using sequence writing.

[**http://www.khanacademy.org/science/cosmology-and-astronomy/v/plates-moving-due-to-convection-in-mantle**](http://www.khanacademy.org/science/cosmology-and-astronomy/v/plates-moving-due-to-convection-in-mantle)

**Assessment:** Instructor will grade students’ writing based on instructor’s writing rubric.