Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Plate Tectonics Model** Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(Summative Project) Hour \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Partner's name \_\_\_\_\_\_\_\_\_\_\_

**Part 1** : With a partner design and construct a model of plate tectonics. First choose which kind of boundary you will make. (Divergent, convergent or transform) (Oceanic-oceanic, continental-continental or continental-oceanic) Using the materials provided create a model that most accurately describes a plate boundary. Remember to label everything and your model should include two crusts, landforms that are appropriate for your model,(volcanoes, faults, rift valleys) lithosphere, asthenosphere, core, molten rock, subduction plate (if appropriate) and convection currents.

*Checklist Bonus: Identify and label on your model where Earth's magnetic field comes from.*

\_\_\_ Neat

\_\_\_ Correctly labeled

\_\_\_ Landforms

\_\_\_ Plate boundary

\_\_\_ Lithosphere

\_\_\_ Asthenosphere

\_\_\_ Inner core

\_\_\_ Outer core

\_\_\_ Convection currents

\_\_\_ Subduction plate (if appropriate)

\_\_\_ Molten rock

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| **Ideas and Content (7 points)**   * Science Questions answered fully and correctly (6 pts.) * Science vocabulary used correctly (1 pt.) | **Conventions (3 Points)**   * Spelling * Punctuation * Fluency |

**Part 2: Write a paragraph describing your model. In your paragraph you should describe your boundary. Include the identifying characteristics of your model. Explain what is created by your boundary. (faults, volcanoes, etc.) Finally, include what makes your boundary move, what powers plate tectonics****? You must write 5-7 sentences and include one piece of textual evidence that supports your paragraph.**

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