



## Virginia Region II Annual Teacher Night at Jefferson Lab 2025

**Activity Title:** **Oreo Tectonic Plates**

**Type:** Student Activity

**Grade Level:** Grade 5

**Time Allotment:** 15 minutes

### **Objectives with Correlated SOLs:**

Earth's thermal energy causes movement of material within Earth. Large continent-size plates move slowly about Earth's surface, driven by that thermal energy (5.8 a).

Most earthquakes and volcanoes are located at the boundaries of the plates (faults). Plates can move toward each other (convergent boundaries), apart from each other (divergent boundaries), or slip past each other horizontally (transform boundaries) (5.8 b). Students are not expected to use the terminology when demonstrating Earth's movement.

### **Materials List (including equipment):**

- Plates/Napkins
- Oreos (3 per participant)
- Cups
- Water

### **Teacher Contact Information:**

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