**Video 1 – The Earth’s Structure**

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| **Lithosphere vs. Asthenosphere** | **How is the lithosphere divided?** |
| **Describe what moves the lithosphere.** | **Where do most earthquakes & volcanos occur?** |

**Video 2 – Plate Tectonics**

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| **Explain Plate Tectonics** | **As the mantle circulates… (three responses)** |
| **The boundary between the two tectonic plates in the Atlantic Ocean form…****What is created here?** |
| **Where is most volcanic activity found?** | **What can result when plates collide together?** |

**Video 3 – How the Inner Structure of Planet Earth Affects Plate Tectonics**

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| **Explain why the tectonic plates are moving.** |
| **Identify, describe, and draw the three types of plate movement.** **Describe Drawing**

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| **1. \_\_\_\_\_\_\_\_\_\_\_\_ boundary** |  |  |
| **2. \_\_\_\_\_\_\_\_\_\_\_\_\_ boundary** |  |  |
| **3. \_\_\_\_\_\_\_\_\_\_\_\_ boundary** |  |  |

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| **Explain the difference between magma and lava.** | **Determine where new plate material is created** |
| **Determine where plate material is destroyed. Create a drawing. When this occurs, what is it called?** |

**Video 4 – Plate Tectonics, Volcanoes, and Earthquakes**

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| **Explain the theory of plate tectonics.** | **Define a rift and what occurs here.** |
| **What forms at convergent boundaries?** | **Describe how a volcano forms at a convergent boundary.** |
| **What causes earthquakes (think stress)?** | **What is the name of the fault where scientists are studying?** |