Class set (Do not write on this copy)

Vocabulary words(Tectonic Plates, Divergent Boundary, Volcano, Fault, Convergent Boundary, Hot Spot, Transform Boundary & Convection Current)

1. Boundary between two plates moving away from each other. In places where molten lava is able to move up and fill the gap, volcanic islands form
2. Boundary between two colliding plates. Only move a few cm per year, so collisions are slow and last millions of years. Mountains, Earthquakes, and volcanoes occur here
3. Boundary between 2 plates sliding past each other. Los Angeles and San Francisco are moving towards each other at 2 inches per year, in about 10 million years they will be side by side
4. Is a break in the Earth’s crust due to movement such as earthquakes. A single earthquake does not move a fault more than an inch or two.
5. Are pieces of Earth’s crust that moves atop a “fluid-like” mantle. Plate tectonics comes from a Greek word meaning “one who constructs”
6. A small area in Earth’s mantle where hot magma rises to the surface. The Hawaiian islands formed from a hot spot. Most are found far away from plate boundaries
7. A convection current is a cycle of heating, cooling, and sinking of magma As heating magma inside the Earth rises, it begins to push up against the Earth’s tectonic plates. This causes each plate to move
8. Volcanoes are openings in the Earth’s surface; when active they can let ash, gas, and hot magma escape through eruptions Volcano comes from the Roman god of fire: Vulcan