**Plate Tectonics Study Guide**

***Multiple Choice Topics:***

Sedimentary Rock Igneous Rock Metamorphic Rock Convection currents Rock Cycle Wegener Earth’s interior Lithosphere Asthenosphere Pangea Plate Tectonics Earthquakes

Boundaries Normal Fault Reverse Fault Strike-Slip Fault Continental drift Focus Epicenter S-waves

P-waves Seismic waves Seismograph Richter Scale

***Short Answer:***

1. Be able to describe the rock cycle.
2. How are rocks and minerals related?
3. Give at least 2 ways that oceanic crust differs from continental crust.
4. Identify the 3 types of boundaries. Explain how each effect the Earth’s surface.
5. Glacial deposits often form at high latitudes near the poles. Explain why glacial deposits have been found in Saharan Africa.
6. Since new crust is constantly being added, why does Earth’s total surface not expand or grow?
7. Describe the relationship between the lithosphere and the asthenosphere and explain how it relates to plate movement. Be sure to mention temperature and density
8. What evidence did Wegener pull together to help support his theory of Continental Drift?
9. Explain the process of seafloor spreading and how that helped prove Wegener’s theory of continental drift.
10. How have seismic waves helped scientists map the interior of the Earth?

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