

## Double Column Notes

**Rock Cycle #1: Describe how the movement of crustal plates can cause earthquakes and volcanic eruptions that can result in mountain building and trench formation.**

Inside Earth Textbook (page numbers)

- Continental Drift (19) - The hypothesis that the continents slowly move across Earth's surface.
- Plate (32) - A section of the lithosphere that slowly moves over the asthenosphere, carrying pieces of continental and oceanic crust.
- Plate Tectonics (33) - The theory that pieces of Earth's lithosphere are in constant motion, driven by convection currents in the mantle.
- Faults (34) - A break in Earth's crust where masses of rock slip past each other.
- Convection Currents (16-17) - The movement of a fluid, caused by differences in temperature, that transfers heat from one part of the fluid to another.
- Divergent Boundary (34) - A plate boundary where two plates move away from each other.
- Rift Valley (34) - A deep valley that forms where two plates move apart.
- Convergent Boundary (35) - A plate boundary where two plates move toward each other.
- Transform Boundary (35) - A plate boundary where two plates move past each other in opposite directions.
- Volcano (82,83,84) - A weak spot in the crust where magma has come to the surface.
- Deep Ocean Trenches (28) - A deep valley along the ocean floor beneath which oceanic crust slowly sinks toward the mantle.

