Richard A. Marino
GEG120 Homework 4
Due November 11, 2014

I. Circle Answers

	Ocean - Ocean plates	**Ocean - Continental plates**	**Continental - Continental plates**
Convergence	Earthquakes: Yes Volcanism: Yes Feature: Deep Sea Trenches Example: Mariana Trench	Earthquakes: Yes Volcanism: Yes Feature: Volcanic Mountains Example: Andes	Earthquakes: Yes Volcanism: No Feature: Fold Mountains Example: Himalayas
Divergence	Earthquakes: Yes Volcanism: Yes Feature: Oceanic Ridges Example: Mid-Atlantic Ridge	-	Earthquakes: Yes Volcanism: Yes Feature: rift valleys Example: Great Rift Valley, Africa
Transform	Earthquakes: Yes Volcanism: No	-	Earthquakes: Yes Volcanism: No

II. True or False

- Coal is a mineral: **False**.
- An intrusive igneous rock has finer crystal grains than an extrusive igneous rock: **False**.
- The Earth's magnetic north pole is fixed / constant and does not migrate with time: **False**.
- Mount Everest is an example of a third order relief: **True**.
- The Appalachian mountains are older than the Rocky mountains: **True**.

III. Circle the Correct Answer

- Becasue oceanic crust is composed mostly of **Basalt**/Granite, it is **More**/less dense than continental crust. It therefore **Subducts**/floats in zones of **Convergence**/divergence of oceanic and continental tectonic plates.
- **Endogenic**/exogenic processe such as **Volcanism**/erosion build the landscape, whereas **exogenic**/endogenic processes such as **weathering**/tectonics tear the landscape down.