**Oceans 11: Structure and Motion Test 1 Review**

You should be able to accurately describe/label/explain the following concepts:

**Plate Tectonics:**

* Label the Earth’s oceans
* Label/describe the layers of the Earth
* Explain the hypothesis of Continental Drift and provide explanations as to why this hypothesis was eventually accepted (what evidence did they have?)
* Describe the theory of Plate Tectonics
* Explain why the acceptance of the theory of plate tectonics represents a paradigm shift.
* Locate specific areas on a map using latitude and longitude
* Describe the three main types of plate boundaries.
* Explain specific types of tectonic features are associated with each boundary
* Explain what a hot spot is and what causes it.

**Ocean Basins:**

* What is Ocean Bathymetry?
* Describe how ocean bathymetry is measured.
* Label a diagram of the ocean floor
* Describe the three areas of the ocean
* Compare active vs non-active continental areas
* Define the features of the ocean floor
* Explain why certain features (such as volcanoes and earthquakes) are more common in specific areas (ring of fire?)