

**Be able to define & know the marine science significance of the following:**

- |   |  |  |  |
|---|--|--|--|
| <input type="checkbox"/> ocean basin        | <input type="checkbox"/> ocean ridge       | <input type="checkbox"/> transform fault           | <input type="checkbox"/> subduction zone     |
| <input type="checkbox"/> trench             | <input type="checkbox"/> mantle            | <input type="checkbox"/> normal fault (converging) | <input type="checkbox"/> hot spot            |
| <input type="checkbox"/> continental margin | <input type="checkbox"/> core              | <input type="checkbox"/> reverse fault (diverging) | <input type="checkbox"/> convection currents |
| <input type="checkbox"/> continental shelf  | <input type="checkbox"/> asthenosphere     | <input type="checkbox"/> magma                     | <input type="checkbox"/> epicenter           |
| <input type="checkbox"/> continental slope  | <input type="checkbox"/> lithosphere       | <input type="checkbox"/> lava                      | <input type="checkbox"/> distilling          |
| <input type="checkbox"/> submarine canyon   | <input type="checkbox"/> continental crust |  |  |
|   | <input type="checkbox"/> oceanic crust     |  |  |
|   | <input type="checkbox"/> isostasy          |  |  |
|   | <input type="checkbox"/> plate tectonics   |  |  |

**UNDERSTAND & BE ABLE TO EXPLAIN THE FOLOWING CONCEPTS:**

Age of the Earth

Relationship of the rocky and gaseous planets

Erosion and its effects on Earth.

A general view of the layers of Earth

Relative densities of continents and ocean crusts

Alfred Wegener's influence on global studies (What evidence did he use)

Bullard's contribution.

The Theory of Plate Tectonics

Where/how is new crust formed? Where/how is crust destroyed? What happens when two plates run into each other?

What are HOT SPOTS? Examples

What are island arc volcanoes and how do they differ from hot spots?

Where is the deepest place on earth? What is the relationship between that place as compared to the highest (Everest).

What ocean is growing? Which one is shrinking?

Be able to label a diagram of the shoreline (shelf,slope,rise...)

Be able to label a diagram of the major ocean/continental features like you did in CH 3 worksheet.

Be able to label major oceanic features like you did in CH 2 Reading guide (MAJOR FEATURES!!!! -I Won't ask for Kermadec Tonga Trench and thinks like that; but you should know continents, Mariana, Mid-Atlantic Ridge, The Oceans...)

**IN OTHER WORDS... READ YOUR TEXT, LOOK AT YOUR NOTES, STUDY YOUR HANDOUTS... AND YOU WILL DO WELL!**

P.S. If we did an activity (LIKE A LAB), it's of course a good idea to make sure you understand it. incase I give you some sample data and ask you to interpret it.