

College Prep Chemistry of the Earth System

Assignment 2H

20 Points

Earthquakes and Volcanos

Answer the following completely, no one word

1. Briefly explain the continental drift theory and how the theory affects the tectonic plates on the earth.
2. Explain the statement “what occurs on one part of the earth affects all other parts of the earth.”
3. Explain what occurs to the crust at the following tectonic plate boundaries
 - a. Divergent Boundaries
 - b. Convergent Boundaries
 - c. Transform Boundaries
4. In a convergent boundary, why does the oceanic crust nearly always move below the continental crust?
5. What is a subduction zone within the earth crust structure?
6. Explain how the following are a result of the given plate boundaries
 - a. Volcanos / Convergent
 - b. Earthquakes / Transform