

Chapter 10 Plate Tectonics Test Study Guide: Earth Science, Mr. Traeger

Name: _____

Period: _____

Date: _____

Section	Major Questions to be asked and/or tasked to be measured	Where do I find the information and/or where did we learn this?
10.1	<ul style="list-style-type: none"> ▪ What were early ideas of plate tectonics? Think Wegener and Continental Drift! ▪ Who was Alfred Wegener and what did he do? ▪ What were Wegener's four observations that led him to his hypothesis of continental drift? ▪ What is the theory of plate tectonics? ▪ What types of evidence support the theory of plate tectonics beyond what Alfred Wegener proposed? ▪ How does magnetism and rock ages at mid-ocean ridges going toward the continents help to support the theory of plate tectonics? 	<ul style="list-style-type: none"> ▪ Online notes for Chapter 10 and <i>Planet Earth: The Living Machine</i> video ▪ Textbook Section 10.1 ▪ Homework Section 10.1 ▪ <i>Colliding Continents</i> video questions ▪ ES0801 and ES0802 Internet Investigations ▪ Layered Earth software in class
10.2	<ul style="list-style-type: none"> ▪ What are characteristic motions of convergent, divergent, and transform plate boundaries? ▪ What kinds of structures (landforms) would you expect to form at each type of plate boundary? ▪ What are the general locations of the different types of plate boundaries around the world and what is taking place at those boundaries? ▪ What is hot spot tectonics and how does this explain the formation of the Hawaiian and Galapagos Islands and also the Yellowstone Continental Hot Spot? ▪ What is mantle convection? Ridge push? Slab pull? ▪ Which idea named above is the most accepted idea for plate motion? 	<ul style="list-style-type: none"> ▪ Online notes for Chapter 10 and <i>Planet Earth: The Living Machine</i> video ▪ <i>Colliding Continents</i> video questions ▪ Textbook Section 10.2 ▪ Homework Section 10.2 ▪ ES0801 and ES0802 Internet Investigations ▪ Layered Earth software in class ▪ Plate Tectonic Travel handout.
10.3	<ul style="list-style-type: none"> • What was Pangaea? How did it change over the years? • What kinds of evidence (paleomagnetism, fossils, rocks, glacial striations, etc.) did we use to re-construct Pangaea? 	<ul style="list-style-type: none"> • Online notes for Chapter 10 and <i>Planet Earth: The Living Machine</i> video • <i>Colliding Continents</i> video questions • Textbook Section 10.3 • Homework Section 10.3 • ES0801 and ES0802 Internet Investigations • Layered Earth software in class • Reuniting Pangaea activity