**Plate Tectonics Questions** Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period\_\_\_\_

**Use your notes and the textbook!**

1. What did Alfred Wegener (scientist known as the “father of plate tectonics”) notice about the outlines of the continents?
2. What was Pangaea? What was Panthalassa? Include the Latin origins for these words.
3. What is Continental Drift?
4. What did Wegener notice about fossils on different continents?
5. What did Wegener propose after looking a rock sequences on different continents?
6. What is thermal convection?
7. Describe the Earth’s core. What is the asthenosphere? What is the lithosphere?
8. Is oceanic crust or continental crust denser? Why?
9. Where is new crust formed? Where does old crust go?
10. Where are most of the world’s earthquakes and volcanoes located?
11. Describe and illustrate divergent plate boundaries.
12. Describe and illustrate transform plate boundaries.
13. Describe and illustrate convergent plate boundaries. Name the three types and what each forms.
14. What is a rift zone?
15. What is a mid ocean ridge?
16. What is a subduction zone? Draw and label a simple diagram.
17. What happens when plates slide past each other?
18. What type of plate boundary occurs along the western part of California running from San Francisco to Baja California?
19. What evidence is there for continental drift?
20. Plate move on average 1-10cm per year. In what instances might the larger movement happen?