**Book Notes and Homework**

**Chapters 7 and 8**

Read Chapter 7 and 8 thoroughly. As you read, answer the questions below.

1. What is continental drift?
2. What is a supercontinent? What name did Wegener give the supercontinent he proposed?
3. How are fossils used to provide evidence for plate tectonics? Give two example fossils and explain why they were important for understanding plate tectonics.
4. How were rock types used to provide evidence for plate tectonics?
5. Draw a diagram of the oceanic crust, continental crust, lithosphere and asthenosphere below.
6. What is a divergent plate boundary?
7. What is a rift valley?
8. What is a convergent plate boundary?
9. Draw a diagram and explain how continental volcanic arcs form.
10. Draw a diagram and explain how volcanic island arcs form.
11. What is a transform fault boundary? Are volcanoes found near transform fault boundaries?
12. Describe three lines of evidence for plate tectonics other than fossils and rock types.
13. What is a mantle plume? What is a hot spot?
14. What drives plate motions? Include a diagram.
15. Define “earthquake.”
16. What is a fault? How are faults connected to earthquakes?
17. What is the difference between the focus of an earthquake and the epicenter of an earthquake?
18. What is a seismic wave?
19. What role does friction play in earthquakes?
20. What is the difference between a seismogram and a seismograph?
21. What is a seismic wave?
22. Below, name and describe the two major types of body waves.