**EES Tectonics Study Guide**

1. Illustrate and describe the 3 types of tectonic boundaries
2. What are the 3 things made by the different convergent types.
3. What are the scientific names for the crust and upper mantle, and part of mantle that moves it?
4. Name the giant ocean and giant continent. What are the Latin origins?
5. What is continental drift?
6. Where is the most studied fault on the planet and what is it called?
7. Describe and illustrate a subduction zone.
8. Draw and label a diagram of an earthquake.
9. What are stress and strain?
10. List the 3 types of stress and their associated strain.
11. Describe what causes an earthquake.
12. Illustrate the three kinds of faults, along with their associated stress.
13. Describe what makes an earthquake more destructive.
14. What are the different types of seismic waves, and what they do.
15. What do the Richter and Mercalli scales measure?
16. What are the three volcano types? Describe each with a picture, words, and example.
17. What are the 3 types of volcanic material?
18. Explain the relationship between earthquakes and volcanoes, and the lithosphere.
19. Describe the three “life stages” of a volcano.
20. Yellowstone is a massive supervolcano in the form of a caldera. Why might a caldera be a worse volcano than a standard composite?

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