Study Guide: Plate tectonics 2/soil Rocks/Weathering and Erosion Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Plate Tectonics:**

1. What is the lithosphere?
2. What is a tectonic plate?
3. What is a convergent boundary?
4. What is a divergent boundary?
5. What is a transform boundary?
6. What is weathering?
7. What is erosion?
8. The lithosphere is broken into what?
9. What are the theories of Continental Drift & Plate Tectonics?
10. Why does subduction occur (you better use the term density)?
11. Where and why do most earthquakes and volcanoes occur?
12. What forms as a result of a divergent boundary?
13. What forms as a result of a transform boundary?
14. What forms as the result of a convergent boundary?
15. What do we find in areas with tectonic activity?

**Really Know & Understand Rocks and Soil:**

1. How are igneous rocks formed?
2. How are sedimentary rocks formed?
3. How are metamorphic rocks formed?
4. What are the characteristics of fertile soil?
5. What makes soil able to hold water?
6. What climate type produces soil the fastest?
7. Describe the four soil conservation methods:
* crop rotation-
* contour plowing-
* terraces-
* conservation tillage-

Study Guide: Plate tectonics 1 /Heat/Earthquakes and volcanoes Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Know & Understand what heat has to do with plate tectonics**:

1. What is heat? How does energy transfer as heat?
2. What is density?
3. How does convection make our plates move? (include the term density)

**Plate Tectonics:**

1. What is the lithosphere?
2. What is a tectonic plate?
3. What is a volcano?
4. What is magma?
5. What is an earthquake?
6. What is the epicenter of an earthquake?
7. What is the focus of an earthquake?
8. What is a fault?
9. What is a seismic wave?
10. The lithosphere is broken into what?
11. Can you list the earth layers and describe each one?
12. What are the theories of Continental Drift & Plate Tectonics?
13. What was the name of the Supercontinent when all landmasses were joined together?
14. Who was Wegener?
15. List 3 pieces of evidence that prove our tectonic plates move.
16. Where and why do most earthquakes and volcanoes occur?
17. What are smaller earthquakes that occur shortly after a larger earthquake?
18. What do we find in areas with tectonic activity?
19. Which kind of earthquake wave causes the most damage?
20. What 3 factors determine the strength of an earthquake?
21. How do scientists know what the inside of the Earth looks like?
22. Where do most earthquakes and volcanoes occur?
23. Why do they occur in these areas?