**Topic 3 Study Guide**

**Quiz/Test Wednesday 1/30/2019**

1. List the Layers of the earth from the thickest layer to the thinnest layer
2. Identify 3 characteristics of each layer of the earth, i.e the core of the earth is solid, made of nickel, it’s very hot…)
3. Identify the densest layer of the earth.
4. What are 3 major differences between the oceanic and the continental crust?
5. What layers make up the crust?
6. What layers make up the mantle?
7. What type of rocks make up the earths crust?
8. Identify the process needed to convert
   1. Metamorphic rock to igneous rock?
   2. Igneous rock to sedimentary rock?
   3. Sedimentary rock to metamorphic rock?
   4. Igneous rock to metamorphic rock?
9. What is the source of energy that drives the rock cycle?
10. What is deposition in the rock cycle?
11. What is the difference between Extrusive and Intrusive Igneous Rock
12. The texture of igneous rock varies according to how it forms. What is the difference in crystal size between extrusive and intrusive rocks? Why?
13. Identify the lab safety rule you should follow when you are handling sharp objects.
14. Identify the lab safety rule you should follow when you are attempting to smell something in the lab.
15. If you are absent the day an assignment is due, and return the following day but do not submit your assignment, is your assignment late?
16. What percentage of points are deducted for each day an assignment is late?
17. How do you get to Mrs. Gamble’s Teacher Website?