

Name _____ Date _____ Period _____

STUDY GUIDE CHAPTER 4

1. Know the basic differences between igneous, metamorphic, and sedimentary rocks.
2. Know how to classify the 3 types of rocks:
 - igneous: intrusive, extrusive, basaltic, granitic, andesitic
 - metamorphic: foliated, non-foliated
 - sedimentary: compaction, cementation, clastic, chemical, organic***** KNOW ALL OF THE DEFINITIONS AND BE ABLE TO COMPARE/CONTRAST *****
3. Know the difference between intrusive and extrusive rocks. Which ones have a large grain size? Small grain size?
4. Know the difference between weathering and erosion.
5. Draw a picture that shows how particles are affected by heat and pressure.
6. Know the difference between a rock and a mineral. Refer to chapter 3 if needed.
7. Know each of the following rocks:
 - granite
 - basalt
 - obsidian
 - coal
 - sandstone
 - limestone
 - slate
 - shale
 - pumice
 - marble
 - gneiss
 - rock salt**FOR EACH ROCK, KNOW THE DESCRIPTION AND THE TYPE OF ROCK!
YOU WILL HAVE TO PROVIDE THE DESCRIPTIONS FROM MEMORY!**
8. Also know some of the traits of other common rocks and minerals.
9. Draw the entire rock cycle!
10. I will give you samples of rocks to identify. This part will be just like the labs we did in class.