

Physical Science 111

Homework – Rocks

Name _____

Matching

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| ___ 1. granite | a. intrusive; coarse-grained; composed mostly of plagioclase and pyroxene |
| ___ 2. rhyolite | b. a coarse, frothy rock with a low specific gravity |
| ___ 3. limestone | c. foliated; microscopic grains; originates from shale and siltstone |
| ___ 4. gabbro | d. extrusive; fine-grained; contains mica, olivine, pyroxene and plagioclase |
| ___ 5. pumice | e. granular; composed of plagioclase and small amounts of iron minerals |
| ___ 6. conglomerate | f. made of mud, clay and silt; fragments less than 1/16 mm |
| ___ 7. slate | g. formed from quartz sandstone |
| ___ 8. basalt | h. cemented quartz and rock fragments |
| ___ 9. marble | i. fine-grained; mixture of feldspar and quartz |
| ___ 10. diorite | j. nonclastic; composed of calcite or microscopic shells |
| ___ 11. shale | k. nonfoliated; origin: pure limestone |
| ___ 12. quartzite | l. light-colored; granular texture; mostly feldspar and quartz |

Sorting: Return to the above list and mark an I for Igneous, an S for Sedimentary or M for Metamorphic for each rock.

Sketch a diagram of the rock cycle: