**Rock Cycle Study Guide**

**Define the following (Complete on a separate piece of paper) Orange chp 4 Green chp 5-6**

-Igneous rock -Intrusive igneous -Atmosphere (Green p.8-9)

-Sedimentary rock -Extrusive igneous -Hydrosphere

-Metamorphic rock -Rock -Geosphere

-Metamorphism -Rock Cycle -Biosphere

-Deposition -Compaction -nonfoliated

-Erosion -Cementation -foliated

**Answer the following in complete sentences**

1. How are igneous, sedimentary and metamorphic rocks formed?

2. Give several examples of things that live or belong to each Earth system.

3. Describe 4 different interactions between the Earth systems.

4. Give two examples of intrusive igneous rock, extrusive igneous rock, foliated metamorphic rock, nonfoliated metamorphic rock, organic sedimentary rock and chemical sedimentary rocks.

5. Describe one way we use each of the kinds of rocks listed in the above question.

6. Is Earth considered to be an open or closed system explain why.

7. Granite, pumice, and scoria are igneous rocks. Why doesn't granite have air holes like the other two?

8. Describe a conglomerate rock.

9. Why does sedimentary rock contain fossils and shells at times?

10. Why is slate sometimes used as shingles for roofs?

11. Why is the rock cycle called a cycle?

12. Describe the relationship between plate tectonics and the rock cycle.

13. How did we represent layers, fossils, cementation, compaction and plate tectonic movement during the sedimentary rock lab?