**Rock/Soil Properties and the Water Cycle Inventory**

1. Diagram and label the water cycle. Know the meanings of the following:

Precipitation Evaporation Condensation

Evaportranspiration Infiltration Runoff

Regolith Zone of Aeration Zone of Saturation

Impermeable Storage Permeable

Slope Source Mouth

1. What can affect Infiltration? (how many can you list)
2. What affects porosity?
3. What affects permeability?
4. Be able to interpret graphs of the following?
5. Slope vs infiltration
6. Saturation vs. infiltration
7. Shape vs Porosity
8. Packing vs. Porosity
9. Sorting vs. Porosity
10. Size vs. Permeability
11. Size vs.. Capillarity
12. Gradient vs. Runoff
13. Precipitation vs. Infiltration

(Draw graphs in the margins of this paper)

1. Explain groundwater with the term acquifer.
2. How could pollution be included in the above answer?
3. Explain the differences between a well and an artesian well.
4. What are springs?