GY 111 "Word/Concept List" For Lecture Test Two (2012)

Be familiar with these terms, multiple terms and/or concepts. You will see *some* of them in the definition and compare and contrast components of the up-coming Lecture test. They are *not* the only things that you are responsible for on the exam. Multiple answer, fill-in-the-blanks and essay questions will require comprehensive study of your lecture notes and web lecture notes. Use of a text book (hardcopy or electronic) during studying is not required, but may prove valuable for some students.

- A, B, C, O horizons
- Chemical weathering (hydrolysis, dissolution, oxidation)
- Physical weathering (frost wedging, exfoliation, spherical weathering)
- pedalfel. Pedocal, laterote
- regolith, soil
- compaction
- evaporite minerals
- longshore current/drift
- orbicular flow
- pointbar
- shelf
- stream capacity
- wave base
- superposition (principle of)
- alluvial fan
- barrier island
- beach
- delta
- floodplain
- aquifer, aquicludes, aquitard
- Karst
- Eons (Archean, Proterozoic, Phanerozoic)
- Eras (Paleozoic, Mesozoic, Cenozoic)
- Periods (know all of them in order)
- deformation (Permanent, elastic, brittle, ductile)
- elastic limit
- stress (compression, tension, shear)
- strike and dip
- fold (syncline, anticline, monocline, recumbent)

GY 111 Essay Question For Lecture Test Two

In addition to this word list, I present you with one of the 3 essay questions that will appear on the next lecture test.

1) Discuss **one** of the following depositional environments:

   Alluvial fans    |   beach    |   meandering rivers

In your answer (which **must have good illustrations**) make sure you discuss the major processes that control sedimentation as well as the rock types that are deposited in the environment you have selected to discuss.