Overview
• Overview of Class Logistics (Syllabus, Lecture and Lab Schedules)
• Why Mineralogy?
• Take Home Exercise: Adopt a Mineral

Take Home Exercise: Adopt a Mineral  Due Date: Thurs, Sept 7

Objective: To gain an appreciation of how various minerals are important to our everyday lives.

Procedure: You will be assigned one of the minerals from the list below.
1. Bauxite
2. Kaolin
3. Gypsum
4. Halite
5. Talc
6. Beryl
7. Muscovite (Mica)
8. Quartz
9. Fluorite (Fluorspar)
10. Garnet
11. Ilmenite
12. Magnetite (iron ore)
13. Molybdenite
14. Galena
15. Cassiterite

Using the USGS and MII websites, research the following information on your adopted mineral.
Minerals Information Institute - http://www.mii.org

Mineral - _____________________ Chemical Formula - ______________________
Main Commodity derived from that Mineral - ________________________________________
Source of Name - _______________________________________________________________
______________________________________________________________________________
Physical Properties - _____________________________________________________________
______________________________________________________________________________
Common Uses - ________________________________________________________________
______________________________________________________________________________
Natural (Geologic) Occurrence - ___________________________________________________
______________________________________________________________________________
US Sources (% mining vs. recycling) ________________________________________________
US Annual Production and Mine Locations - _________________________________________
______________________________________________________________________________
% of US consumption provided by imports ___________________________________________
Major World Suppliers ___________________________________________________________
Other interesting Information _________________________________________________________
______________________________________________________________________________

Be prepared to orally present this information at the next lab (Thurs. Sept. 7).