

Announcements

- ~~Turn on the Clicker (the red LED comes on).~~
- ~~Push “Join” button followed by “20” followed by the “Send” button (switches to flashing green LED if successful).~~
- No clicker questions today.
- Last Exam 1 week from today.
- Chemistry Roast: 6 P Friday at The Underground.
 - Celebrate finishing general chemistry.
 - Should Dr. G come?
- Don't forget to come to lab check out next week to get your belongings and artwork.

Review

- -----Chapter 17-----
- Fuel Cells
- -----Chapter 18-----
- Metals
 - Physical properties
 - Work hardening
 - Electronegativities
 - Refining/Smelting (oxidize to oxide then reduce with CO)

Review

- Al processing
 - Separate from ore with NaOH
 - Acidify and heat to get Al_2O_3
 - Electrolytically reduce dissolved in molten cryolite (Na_3AlF_6)
- Alloying
 - Usually makes metal harder
 - Substitutional versus Interstitial Alloys
 - Can reduce corrosion (Ni and Cr w/Fe)

Clays

Silicate Layer (Figure 10.16)

Alumino silicate sandwich
as in kaolinite (Figure 18.6)

Band Theory

