**Mentor Notes: 3/2/11**

* Send coke through all the paces of the process as a check on Aspen
* ASU – verify cost and figure out if the plant is being purchased or is just the O2
* Is it more cost effective to set up ASU or by over the fence
* Add description of where the prices came from in the economy excel sheet
* Learn the Look Up Index function in excel
* Look into Alberta, Canada for cheaper petcoke
* Adjust cost of syngas with the heating value of natural gas
* Determine a fair syngas price
* Assume 3 years to build the plant
* Look into better sources for ZnO
* For presentation #3 talk about…
  + Econ issues
  + CO2 footprint
  + Price of petcoke being too high
* Eastman Chemical Company (Tennessee)
  + Chem Production from petcoke
* Cover some of the holes from last presentation
* Tell a story on heating and cooling
  + Use blocks to show
  + Heat out of gasifier
* Start with flow diagram then go more in-depth
* Look in Higman for carrier gas solution