Topic Breakdown (do this and share this as a team - don’t do your own version, please)
hint: Engineering Village and “controlled vocabulary”

COPPER
  copper alloys
  annealing
  oxidation

COPPER MINES/MINING
  Chile
  Kennecott/Bingham
  pollution (air/water)

MINING INDUSTRY
  rocks/minerals
  regulation
  sustainable development

SMELTING
  leaching/soil washing
  methods

METALLURGICAL INDUSTRIES
  processes
  furnaces/melting
  recycling

Literature Review Entry
(each person do this - remember to save to use in team assignment #5 later!)
hint: SCOPUS and “sort: cited by (highest)”


A general, but highly authoritative, overview of all the soil washing/leaching procedures used in the U.S. as part of a report from the government of Quebec to help future problems with heavy metals in soil (and how to fix). “...there is a great need to promote effective soil treatment technologies that attempts to remove the metals from the soils. Soil washing, which uses physical or chemical processes, is one of the few permanent treatment alternatives to separate the metals from soils [1].”

Supply Chain Graphic
(each person do this - remember to save to use in team assignment #5 later!)
hint: IBISWorld Industry Reports

The Supply Chain

Supply Industries
  Chemical Wholesaling
  Gasoline & Petroleum Wholesaling
  Industrial Machinery & Equipment Wholesaling
  Inorganic Chemical Manufacturing

Copper, Nickel, Lead & Zinc Mining in the US

Key Economic Drivers
  World price of copper
  World price of lead
  World price of zinc
  Trade-weighted index

Demand Industries
  Nonferrous Metal Refining

Related Industries
  Iron Ore Mining
  Gold & Silver Ore Mining
  Molybdenum & Metal Ore Mining
  Sand & Gravel Mining
  Mineral & Phosphate Mining

Related International Industries
  Copper Ore Mining in Australia
  Nickel Ore Mining in Australia
  Silver, Lead and Zinc Ore Mining in Australia