Taylor Earl

9/11/14

Geology

* Land Use and Soil Pollution
  + Point source - Industrial Soil Pollution
    - Underground gas tanks major polluter
    - Industrial waste in landfills
    - Industrial waste storage and spills
    - Industrial waste water (ponds etc)
* Site Characterization
  + Site History
  + Site Contamination
  + Nature and extent of contamination
* Geology and Ecology
  + Ecology
    - Controls over distribution and abundance of living things
    - Study of living things and their interactions with the environment
    - Mt. St. Helens ecosystem destroyed and rebuilt after eruption
  + Species
    - Population successfully produces offspring (ligers and mules not species)
  + Population
    - Group of individuals of same species in an area
  + Habitat
    - Where a species lives
  + Indigenous species
    - Species lives where it evolved
  + Niche
    - How a species makes a living (what it eats and does)
  + Exotic species
    - species migrates or brought in
  + Biosphere
    - Part of the earth where life exists
  + Biota
    - All organisms in an area
  + Ecosystem
    - Ecological community and it’s nonliving environment in which energy flows and chemicals cycle
  + Estuary
    - Where a river meets the ocean
* Biodiversity: Number and abundance of species in a community or ecosystem
  + Species “richness”
  + Species “evenness” relative numbers of each
  + Dominant species
  + Keystone species