* Definitions

**Ecology Study Guide**

* + Trophic
  + Organism
  + Population
  + Community
  + Ecosystem
  + Biosphere
  + Autotroph
  + Heterotroph
  + Habitat
  + Niche
  + Biotic
  + Abiotic
* Flow of energy
  + What is a trophic pyramid?
    - What are the levels of a trophic pyramid?
    - How much energy is transferred from each level?
      * Why?
  + Draw a food web
    - Direction of arrows
    - Basic setup
* Habitats
  + What are biotic factors?
  + What are abiotic factors?
  + Tolerance curves
    - What are tolerance curves?
    - How do you draw one?
  + Internal conditions
    - What are the two ways to regulate internal conditions?
      * What are the pros and cons of both?
  + Escape from unfavorable conditions
    - What are the two main methods?
  + What is a niche?
* Cycles
  + Carbon Cycle
    - Understand the carbon cycle
    - What are the major compounds and elements in the carbon cycle?
    - Draw a carbon cycle
  + Water Cycle
    - Understand the water cycle
    - What are the major compounds and elements in the water cycle?
    - Draw a water cycle
  + Phosphorous Cycle
    - Understand the phosphorous cycle
    - What are the major compounds and elements in the phosphorous cycle?
    - Draw a phosphorous cycle
  + Nitrogen Cycle
    - Understand the nitrogen cycle
    - What are the major compounds and elements in the nitrogen cycle?
    - Draw a nitrogen cycle