**AP Biology Unit 9 (Ecology)**

**Test Topics**

* Succession (primary versus secondary) – general steps
* Competitive exclusion and how to avoid it
* Capture-recapture method
* Carrying capacity and limits to population growth
  + Abiotic versus biotic factors in an ecosystem (density-dependent versus density independent)
* Symbiosis (mutualism, commensalism, parasitism) and examples
* Population calculations using formulas on formula chart
* Analysis of food webs
* Invasive species
* K-selective species versus R-selective species
* Exponential growth versus logistic growth
* Predator-prey relationships (and difference from parasite-host relationship)
* Effects of human impacts on ecosystems (fossil fuels, deforestation, etc)
* Be able to provide BIOLOGICAL REASONS for your predictions, no matter what your prediction is!!!