**ECOLOGY REVIEW SHEET (CH. 13 & 14)**

* know difference between population, community, ecosystem
* autotroph vs. heterotroph
* carnivore vs. omnivore vs. herbivore
* biodiversity
* 10% rule
* modeling vs. observation vs. experimentation
* biotic vs abiotic factors
* food chain vs. food web
* trophic levels: what are they? How are they different? Where is the most energy?
* ecological/biomass pyramid
* keystone species
* types of dispersion: clumped, uniform, random
* what factors increase numbers in populations?
* what factors decrease numbers in populations?
* density-dependent vs. density-independent factors
* logistic vs. exponential growth
* carrying capacity
* symbiosis: mutualism, commensalism, parasitism
* biogeochemical cycles: nitrogen, water, carbon & phosphorus (why are there cycles? what can affect them? how can humans do harm or good?)
* job of decomposers? why are they **SO** important?
* what happens to energy in an ecosystem? vs. what happens to chemicals (N, C, O, etc.) in an ecosystem