Outline for Ecology Test Topics

Go to teachers.io/sieb for a review PowerPoint that has been posted. It covers almost everything we have covered in the unit (anything extra you’d like to study can be found on additional PPTs on teachers io) and has some great picture examples. The PowerPoint is a great study tool; please take advantage of it! Study on Gladiators!

1. Ecology
   - Organism, Population, Community, Biome, Ecosystem (Levels of Organization: the order the levels are in and definition of term)
   - Niches and Habitats
   - Competition
2. Symbiotic Relationships: Defined and be able to tell them apart
   - Parasitism
   - Commensalism
   - Mutualism
3. Food Chains and Webs
   - Labeling/Identification of organisms
   - Which way the arrows face
     Rule of 10 (each level loses 90% of its energy)
   - Trophic levels
   - Energy Pyramids
4. Populations (Review notes/PowerPoint)
   - Types of survivorship curves (3)
   - Dispersion (Random, Uniform, Clumped)
   - Density Dependent vs. Density Independent
   - J Curves vs. S Curves
   - Being able to read a graph or chart (we’ve practiced this in class)
5. Biomes
   - 7 types (Tundra, Taiga, Temperate Deciduous, Desert, Rainforest, Prairie, Savanna) & know basic characteristics of each
6. Succession
   - Two types (Primary and Secondary) defined/characteristics
   - What are climax community and pioneer species?
7. Cycles
   - Nitrogen
     -- how can nitrogen be fixed?
     -- how does nitrogen return to atmosphere?
   - Carbon
     -- how do photosynthesis and respiration affect the carbon cycle?