Population and community Ecology
Review Sheet

1. What are primary and secondary succession?

1. What are the levels of ecological organization? [from smallest to largest]

1. What is community ecology? What is population ecology?
    1. Define the term Intraspecific
    2. Define the term interspecific

1. What is symbiosis? List and explain the types of symbioses?

1. What is species richness and species evenness? Why are they important?

1. How do plants and animals protect themselves from predators?

1. What is stability? What factors contribute to an environment's stability?

1. Animals that carry pollen are known as _____? Explain the type of symbiosis.

1. What are the types of dispersion?

1. What are: carrying capacity, limiting factors?

1. What is exponential growth? Logistic growth? Know what they would look like graphically and know the assumptions for them.

1. What are: Immigration, Emigration, growth rate, inbreeding? How do they affect a population and that population's stability?

1. Using a graph explain the relationship between predator and prey populations.
    1. Population of both wolves and deer
    2. A population of deer only

Graph 1 Graph 2

14. Draw a survivorship curve and describe what kind of population each curve represents (Type I, Type II, Type III) with a specific example for each type.

15. Know how to read an age structure graph, how to visually determine a population's ability to grow, and what factors determine a rapidly growing, stably growing, and declining population.

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