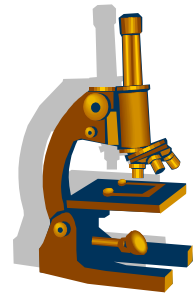


# Student Study Guide - Biology



## *Ecology:*

For your test you should be able to demonstrate your understanding of the following items:

- Explain and give an example of each of the 3 types of symbiosis
- Definition of an ecosystem, habitat, niche, competition, predation, symbiosis, autotroph, heterotroph, herbivore, carnivore, omnivore, detritivore, decomposer, biomass.
- Identify each trophic level, explain what each of the arrows represented in our class model (and on your ticket in), and Explain the 10% rule.
- Name the three types of population dispersions and give an example of each one.
- Identify each example of growth model (logistic and exponential) and explain the features of each one with regards to growth rate and limiting factors.
- Differentiate between the following types of limiting factors: density dependent factors and density independent factors.
- Explain what carrying capacity is.
- Be able to identify the type of organisms within a food web.
- Explain each of the four biogeochemical cycles.

**Review all handout materials, class notes and your ticket ins.**

**And**

***STUDY!***

***STUDY!***

***STUDY!***

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