



Ecology	Trophic structure
Population dynamics	Primary productivity
Exponential growth	Primary consumer
Logistic growth	Secondary consumer
Carrying capacity	Tertiary consumer
Limiting factors	Decomposer
Sustainable resource management	Ecological footprint
Community dynamics	Keystone predator
Competition, predation, & symbiosis	Disturbance
Mutualism, parasitism, commensalism	Succession: primary & secondary
Niche	Climax community
Ecosystem dynamics	Chemical cycling/ energy flow

## Ecology Concepts

1. Describe the exponential and logistic growth patterns, what creates the patterns and use examples.
2. Describe the three types of symbiosis using examples for each.
3. Describe the general trophic levels within an ecosystem, how energy moves through it and how chemicals are recycled. Be sure to use an example for each level.
4. Explain how competition may eliminate a species from a community, and how niche specificity may allow competitors to coexist.
5. Explain the process of succession in an ecosystem. Use an example.