Ecology Study Guide

This is a study guide to help you REVIEW the information that will be on your test. This will not be graded or collected. Test is subject to any material that may have been covered in notes, lecture, classroom discussions, lab, and research.

**Terms:**

Ecology

Biotic/Abiotic factors

Species

Population

Community

Ecosystem

Biome

Native Species

Biosphere

Symbiosis

Mutualism

Commensalism

Parasitism

Competition

Habitat

Niche

Population density

Limiting factor

Carrying Capacity

Food Web

Food chain

Succession

Pioneer species

Invasive species

Predation

Predator

Prey

Law of conservation of energy

Biomagnification

Water Cycle

Carbon Cycle

Nitrogen Cycle

**Make sure that you know and understand the following concepts.**

1. Predict how changes in one population might affect other populations in a food web .
2. Identify factors that influence population size.
3. Describe how humans are a part of Earth’s ecosystems and how humans can impact the environment both negatively and positively.
4. Predict possible consequences of environmental concerns.
5. Classify producers, consumers and decomposers based on their source of food
6. Distinguish the difference between ways that consumers, producers and decomposers get food.
7. Be able to give examples of mutualism, commensalism, parasitism
8. Be able to tell me the biotic and abiotic factors in a given ecosystem
9. Understand how energy, chemicals/toxins and matter move through an ecosystem