Ecology Quiz Study Guide

· What is the definition of ecology?

· What is an ecosystem?

· What is the primary source of energy for life on Earth?

· What is the difference between biotic and abiotic factors?

· Explain Photosynthesis

· Explain: Biome, Ecosystem, Community, Population, and single organism. How do they relate to each other by their levels?

· What is a Food Chain? Food Web? What do the arrows of a chain/web represent?

· Be able to count how many chains an organism belongs to and what effect it would have on the chain if it went extinct.

· Understand the amount of available energy in an energy pyramid.

· Be able to explain; Producer, Consumers (primary, secondary, tertiary, quaternary), and Decomposers.

· Understand Symbiotic relationships: Mutualism, Commensalism, and Parasitism

· Be able to explain Competition, Limiting Factors and Carrying Capacity.

· Explain the difference between a native species and invasive species and the effects an invasive species can have on an ecosystem.