Study Guide for Ecosystems Quiz 1

- Review all vocabulary terms from all pages in your notes. Know the terms at the bottom of this paper.
- Be able to recognize or give examples of all vocabulary terms.
    - *Example: Be able to identify a biotic factor from a list.*
    - *Example: Be able to select the best example of predation (and other terms).*
- Know the similarities and differences in all interactions (predation, competition, mutualism, parasitism, and commensalism)
- Describe and analyze the effects of limiting factors on population sizes.
- Be able to analyze food webs and energy pyramids, and how energy flows through ecosystems.
- Know the roles of producers, consumers, and decomposers in the carbon cycle and the nitrogen cycle. Be able to recognize the effects of human activities on the carbon and nitrogen cycle.
- Know the effects of the predator-prey relationship, and how this affects population sizes of predators and prey in an ecosystem.
- Use the tools on **quizlet.com** to review the words in the "Ecology and Ecosystems" set. Use or print flash cards. Take the practice vocabulary quizzes. Play the Scatter and Space Race games and try to improve your scores. .
- Go to **phschool.com** and use the web code: cea-5010. Take this quiz several times until you have seen all combinations of questions.
- Use the study skills you learned during 1st Quarter (shrink/condense your notes, make flash cards, highlight your notes, make charts and/or diagrams to organize information, create a practice quiz for yourself).

Ecosystems Vocabulary

Organism

Habitat

Biotic factor

Abiotic factor

Species

Population

Community

Ecosystem

Ecology

Limiting factor

Carrying capacity

Producer

Consumer

Herbivore

Carnivore

Omnivore

Scavenger

Decomposer

Competition

Predation

Symbiosis

Mutualism

Parasitism

Commensalism

Autotroph

Heterotroph

Predator

Prey

Nitrogen fixation

Photosynthesis

Bacteria (role in decomposition & nitrogen cycle)

Energy flow

Respiration