

## Life Science Unit TWO Study Guide

Use pp. 485 and your notes

Define:

1. Community
2. Population
3. Biosphere
4. Ecosystem
5. Habitat
6. Niche
7. Biomass
8. Biomass
9. Bio-magnification
10. Apex predator
11. Herbivore
12. Carnivore
13. Omnivore
14. Producer
15. Decomposers
16. Energy pyramid
17. Carrying capacity
18. Limiting factors
19. Decomposition
20. Symbiosis
21. Succession
22. Pioneer species

Review Questions:

23. Describe the functions of producers, consumers, and decomposers in an ecosystem?
24. What is the difference between a food chain and a food web?
25. Explain how energy flows through a web (the energy pyramid).
26. Describe how the removal of one species affects the entire food web.
27. Draw a food chain depicting life in a terrestrial ecosystem. Include the decomposers, producers, and all levels of consumers.
28. Draw a food chain depicting life in an aquatic ecosystem. Include the decomposers, producers, and all levels of consumers.
29. Define mutualism, commensalism, and parasitism. Give an example of each.
30. Explain the recycling of materials using either the carbon, water, or nitrogen cycle as a reference. (In the carbon cycle...)
31. Describe bio-magnification and explain how the Bald Eagle almost became extinct. Explain how the energy pyramid leads to larger consumers being exposed to more pesticides and poison.