

Name \_\_\_\_\_ Date \_\_\_\_\_ Period \_\_\_\_\_

## ***BIOLOGY – STUDY GUIDE CHAPTERS 3-6***

1. Know the meaning of the term *niche*. Know the difference between a realized and a fundamental niche. Provide examples of each.
2. Know the process of succession, including primary and secondary succession.
3. Know the difference between pioneer species and a climax community. Know the specific traits of both.
4. Be able to DRAW and INTERPRET (answer questions) food webs.
5. Know the definition of the 10% Rule and how it affects the food chain.
6. Be familiar with the different trophic levels.
7. Know all of the major biomes.
8. Know the differences between biotic factors and abiotic factors.
9. Know the differences between R-selected and K-selected organisms.
10. Draw population growth curves. Know logistic growth, exponential growth, carrying capacity, etc.
11. Know all 13 levels of organization.
12. Know the definition of dispersion. Draw and describe 4 different dispersion patterns.
13. Know relationships between organisms: co-evolution, mutualism, parasitism, commensalism, predation, competition. Know definitions, examples, and math symbols. Be able to explain!
14. Know how acid rain affects plant life.
15. Draw an energy pyramid that lists the 5 trophic levels in order. Know the effects of DDT on the trophic levels. Also know the definition of biological magnification (also called biomagnification).
16. Draw the graph of human population growth. Explain!
17. There will be some thought questions on this quiz, so make sure you **UNDERSTAND** everything!!!!