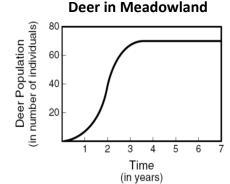
Balance Within Ecosystems Chapter 9 study Guide

- Two ways population size can increase are ______ and _____.
 Two ways population size can decrease are ______ and _____.
 How do you calculate population density? For example suppose you counted 20 butterflies in a garden measuring 10 square meters. The population density is :_______. (pg 324)
 Limiting factors are environmental factors that cause a population to stop growing. Identify and describe the effects of 3 limiting factors. (pages 325-326)
 The largest population an area can support is called:_______.
- 6. In the graph on the right, what is the population of deer carrying capacity of the environment in Meadowland Park?
- 7. Adaptations are _____
- 8. Explain the 4 type of structural adaptations with an example for each:
- 9. Explain the 2 types of behavioral adaptations with an example for each.
- 10. How does natural selection affect the survival of a population?
- 11. Compare and contrast primary and secondary succession. List the possible causes of each.



- 12. Identify abiotic/biotic resources you obtain from your ecosystem.
- 13. How can non-native species affect an ecosystem? Give two examples in Louisiana.
- 14. There are several examples of how human activities may harm the balance in an ecosystem? What happens to soil when grasses are overgrazed by cattle?
- 15. What are the benefits of energy production? What are the consequences? pg 345
- 16. What are the advantages and disadvantages of agriculture technology? pg 346
- 17. What is the environmental impact of human habitation and transportation? Pg 347
- 18. Why is biodiversity important? Pg 349
- 19. How can entire ecosystems such as a rainforest and mountain ranges be used to generate sources of money? pg 349
- 20. What is a keynote species? Give an example. Pg 349
- 21. What would happen if a keynote species is removed from an ecosystem? pg 349
- 22. What factors affect biodiversity? Pg 351-352
- 23. Which area is more likely to have the greatest biodiversity? Why? Pg 351
- 24. What is extinction? What causes it? pg 353
- 25. Explain the differences among a threatened species, an endangered species, and an extinct species. Pg 353
- 26. What are 4 ways in which humans can negatively affect biodiversity? (pg 354)
- 27. How can habitat fragmentation contribute to extinction? Pg 354
- 28. What is the illegal removal of wildlife called? Pg 354
- 29. How can pollution contribute to species extinction? Pg 354
- 30. What are 4 positive ways that humans can affect biodiversity? Pg 355