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**Unit 4: Chapters 8, 9, & 10 Study Guide**

**Test Design:** 24 Multiple Choice, 6 Matching, and 2 Essay Questions

**Study:** Relationships Notes, Population Notes, Human Population Notes, Biodiversity Notes, and Vocabulary

1. Define poaching.

2. How is the population of prey impacted if there is an increase in the population of the predator?

3. Define the 3 different symbiotic relationships and give an example of each one.

4. Explain the Endangered Species Act and what it protects.

5. Define gene.

6. What does exponential growth mean?

7. What factors limit a population’s growth rate?

8. Define infrastructure.

9. What must occur for a population’s growth rate to be zero?

10. Give some examples of organisms that have co-evolved.

11. Name some ways humans impact extinction rates.

12. What factors contribute to organisms being in danger of extinction?

13. Why do less developed countries have higher population growth rates?

14. How does educating women help lower birthrates?

15. What is a population pyramid?

16. What are the differences between endangered species and threatened species?

17. What is important about the role keystone species have?

18. Explain ways different countries have tried to address stabilizing population growth.

19. What is the human population expected to look like in 2050?

20. Explain why it is important to protect biodiversity.

21. Define niche.

22. What is carrying capacity and what factors impact it?

23. Define population density.

24. What do demographers study?

25. What is replacement rate fertility?

26. When was the most rapid human population growth?