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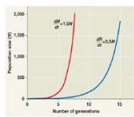


so many fake sites. this is the first one which worked! Many thanks

AP Biology Reading Guide
Ford and Theresa Holzman

Chapter 53: Population Ecology

17. What will the per capita birth and death rates be if a population is demonstrating zero population growth?
18. What does it mean for a population to be in exponential population growth?
19. In the graph below, explain why the line with the value of 1.0 shows a steeper slope that reaches exponential growth more quickly than does the line with the value of 0.5. On this graph, add a third line that approximates a population with an exponential value of 1.25.



20. What are two examples of conditions that might lead to exponential population growth in natural populations?

Concept 53.4 The logistic model describes how a population grows more slowly as it nears its carrying capacity.

21. What is carrying capacity?
22. What are six examples of limiting resources that can influence carrying capacity?
23. In the logistic population growth model, the per capita rate of increase approaches zero as the _____ is reached.

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