

Name _____

Populations and Ecosystems Resources book, pages 22-24:
Limiting Factors

Answer the following questions using complete sentence answers.

1. Explain the difference between the reproductive potential of elephants and the reproductive potential of Atlantic cod.
2. Why aren't there billions of trillions of Atlantic cod in the oceans?
3. How is predation a limiting factor?
4. Give two examples of resources as biotic limiting factors.
5. How does the lack of reproductive environments limit species reproduction?
6. Explain three strategies for overcoming the limiting factor of winter.

7. How does energy enter any ecosystem?

8. Explain what *carrying capacity* is.

9. What is the basis for calculating the carrying capacity of an ecosystem?

10. Compare the carrying capacities of Mono Lake and a Great Plains grassland. What is the main reason for the difference between them?