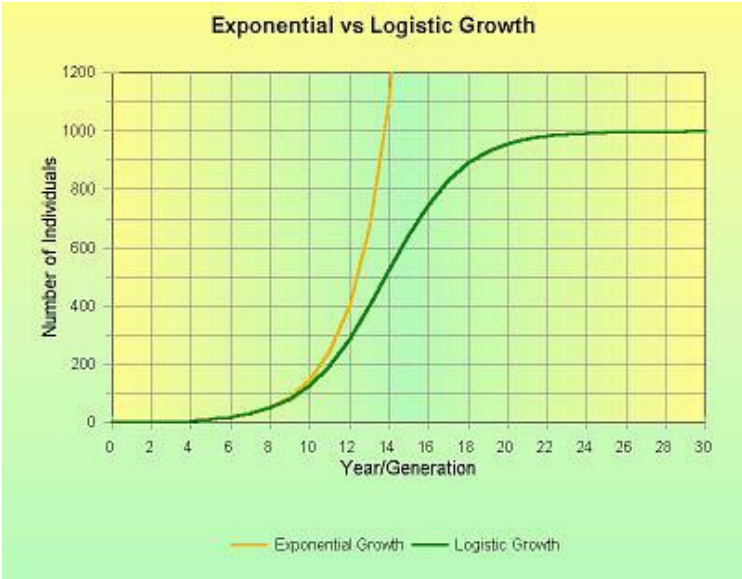


Target Practice, Unit 9 Test, Topic #2 – Population Ecology

Directions: Look at the diagrams given below and answer the following questions.

Graph 1 - Exponential Growth and Carrying Capacity



1. Which of the two curves exhibits exponential growth?

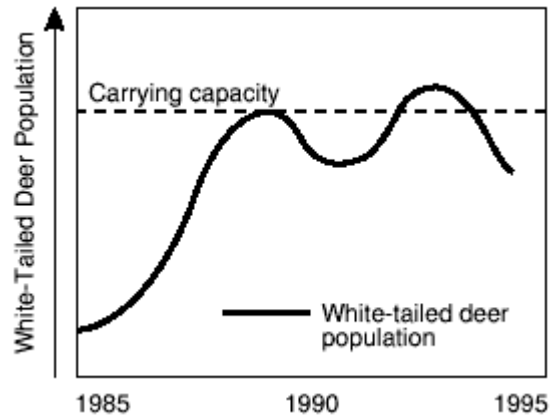
2. Which of the two curves exhibits a carrying capacity?

3. What is the carrying capacity of this graph?

4. In what generation does this population reach its carrying capacity?

Graph 2

5. Give one possible reason why the population decreased in 1990 after it had reached its carrying capacity. Is the reason you described a density-dependent limiting factor or a density-independent limiting factor? Explain your answer.



Graph 3

6. Is the population in the age structure pyramid experiencing zero growth, slow growth, or rapid growth? How do you know?

