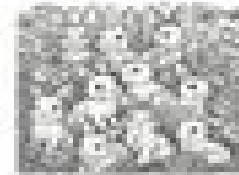


Understanding Population Graphs and Carrying Capacity

Why Are Population Graphs Important?

- In ecology, _____ graphs help us see how the population _____ changes over _____.
- _____ is an important concept in these graphs, showing us the _____ number of individuals an environment can _____ over time.



Types of Growth Patterns in Population Graphs

Exponential Growth



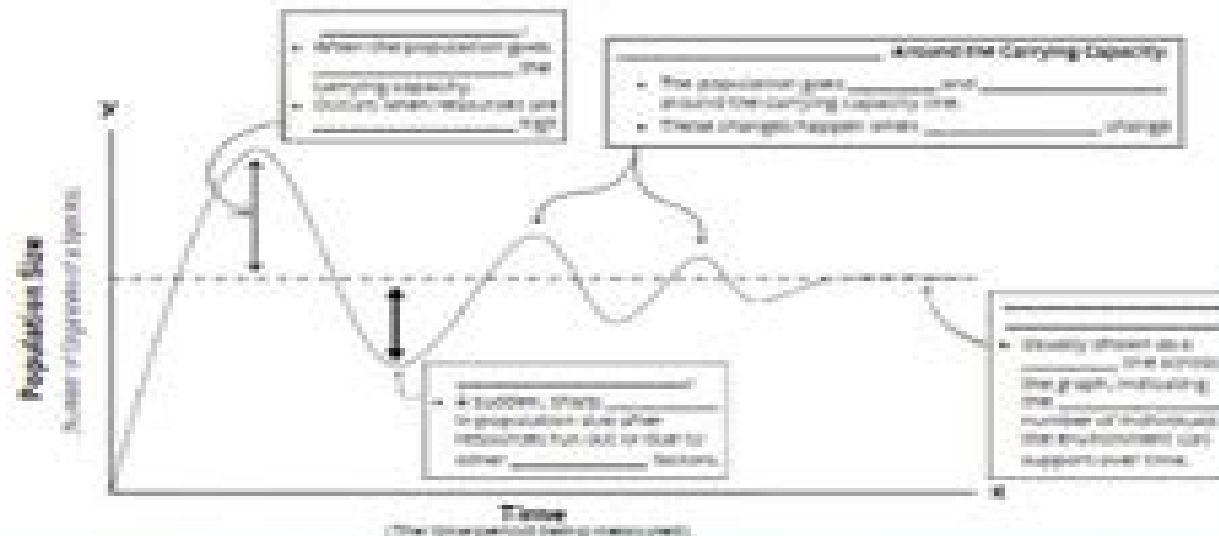
- A _____ increase in population size when resources are unlimited.
- _____ shaped curve.
 - Example: Bacteria in a petri dish with lots of food show exponential growth until food runs out.

Logistic Growth



- Population growth that starts quickly but then slows down as it reaches _____.
- _____ shaped curve that levels off near the carrying capacity.
 - Example: A deer population in a forest may grow quickly but then slows as food becomes limited.

Parts of a Population Graph



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Liyong Dong



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