

Factors That Affect Population

Various combinations of _____ and _____ factors can cause populations to increase or decrease.

Populations grow due to:

Populations decrease due to:

Population growth =

_____ and _____ tend to have the greatest effect on population size.

Example: There is an unlimited amount of food, water, and space in a rabbit population. Without any limits, 10 breeding pairs of rabbits could expand to 10 million breeding pairs in only 3 years.

- What affect might this have on other populations?

In a healthy functioning ecosystem, limiting factors prevent _____.

Limiting factors are _____.

Use this space to sketch a graph of a population reaching carrying capacity.

Abiotic Limiting Factors	Biotic Limiting Factors

As the population grows, it requires more food, water, and space.

At some point the population reaches the _____ number of organisms that it can continuously support.

Carrying Capacity:

Carrying capacity can be altered through _____ or _____ activity.

For an ecosystem to be _____, none of the populations can exceed the carrying capacity for very long.