

Populations

Define a population.

Populations

Define a community.

Populations

Define an ecosystem.

Populations

Which four factors affect the rate of population growth?

Populations

Name the four phases of the sigmoid growth curve.

Populations

What does the stationary phase look like on a graph?

Populations **Supplement**

Why is growth slow in the lag phase?

Populations **Supplement**

Why is growth rapid in the exponential phase?

All of the populations of different species in an ecosystem.

A group of organisms of one species, living in the same area, at the same time.

Food supply, competition, predation and disease.

A unit containing the community of organisms and their environment, interacting together.

The curve levels off. The population size stays roughly constant.

Lag, exponential (log), stationary and death phases.

Plentiful resources and little competition; birth rate is much higher than death rate.

There are few individuals reproducing, so the birth rate is low.

Why does the population level off in the stationary phase?

Why does the population fall in the death phase?

Resources run out and waste or disease builds up, so the death rate exceeds the birth rate.

Limiting factors restrict growth, so birth rate equals death rate.