

Populations Review

Define the following terms in complete sentences and *provide an example of each*

Community: _____

Biome: _____

Habitat: _____

Population: _____

Organism: _____

r-strategy: _____

k-strategy: _____

Exponential Growth: _____

Linear Growth: _____

Invasive Species: _____

Commensalism: _____

Mutualism: _____

Parasitism: _____

Predation: _____

Natality: _____

Mortality: _____

Immigration: _____

Emigration: _____

Density Dependent Limiting factor: _____

Density Independent Limiting factor: _____

Niche: _____

Carrying Capacity: _____

Abiotic: _____

Biotic: _____

Ecosystem: _____

Understand the following equations and when to use them:

Population/area = **population density**

(natality +immigration) – (mortality + emigration) = **annual rate of change for population**

Answer the following questions

- If the annual rate of change for the population is positive, that means that the population is **increasing/decreasing** and you **add/subtract** the change to the initial population.
- If the annual rate of change for the population is negative, that means the population is **increasing/decreasing** and **you add/subtract** the change to the initial population.
- Why is an invasive species considered problematic?
