

Topic/Objectives: 8-3 Marine Populations; (1) Explain the concepts of carrying capacity, (2) Identify the factors that increase or decrease population sizes and analyze changes in animal populations.

Name:

Date:

Period:

Essential Question: What factors influence marine populations?

Questions:

Notes:

All the individuals of a species together make up a _____.

- To protect species wildlife biologists study the changes in the number and composition of a population (_____).

Population growth may either occur exponentially or logistically.

- _____ occurs when environmental conditions are ideal and unrestrained.
- _____ occurs when a population is constrained.
 - _____, that constrain growth, could be a limited resource, predator, disease etc.
 - The maximum population that an environment can carry (_____) may fluctuate over time depending on limiting factors.

Population dynamics may study many basic factors of a population including: _____, _____, migration, age structure, ratios of males and females.

The number of organisms that live in a defined space, _____ may also play a factor in the survivability of a species.

There are three basic types of _____:

- A population where the individual are evenly spaced is said to have an _____.
- Some organisms exhibit _____, where there is no identifiable pattern.
- Other organisms may have a _____ where organisms live in clusters.

