

**Interactions in Ecosystems
Lecture Guide**

Populations

- A _____ of organism living in the same place.

Characteristics of Populations

- Four important characteristics of a population are:
 - _____
 - _____
 - _____
 - _____

Geographic Distribution

- May also be called it's _____
- Describes the _____ inhabited by a population

Geographic Dispersion

- Shows how individuals in a population are _____
- Allows ecologists to study _____
 - Way in which individuals of a population are _____
- Three types of population dispersion:
 - _____
 - _____
 - _____

Clumped dispersion

- Individuals _____ in order to facilitate mating, gain protection, or access food

Uniform dispersion

- Individuals living at _____ from one another

Random dispersion

- Individuals are _____ within an area or volume

Population density



- _____
(defined space)
- Measures the _____ of an area
- Population density = _____

Population growth

- Affected by three factors
 - _____
 - _____
 - _____
- Immigration – movement _____ an area
- Emigration – movement _____ of an area

Review Questions:

1. What are four main characteristics of a population?
2. What is a population's geographic distribution?
3. Another term for geographic distribution is _____.
4. What is population density?
5. What three factors affect population size?
6. If more individuals are born than die in any period of time, how will the population change?
7. Complete the table about changes in population size.

Type of Change	Definition	Resulting Change in Size
Immigration		
Emigration		