

1. What is Population Ecology?

- A) The study of individual species
- B) The study of groups within a species and their interactions**
- C) The study of environmental changes
- D) The study of animal behavior

2. What does Population Density refer to?

- A) The number of species in an area
- B) The number of individuals in a given area**
- C) The geographic arrangement of individuals
- D) The maximum number of individuals an environment can sustain

3. What are Density-Dependent Factors?

- A) Factors that affect population regardless of size
- B) Factors whose effects depend on the population size**
- C) Factors that increase carrying capacity
- D) Factors that cause exponential growth

4. What is Carrying Capacity?

- A) The maximum number of individuals that an environment can sustain**
- B) The rate of population growth
- C) The number of births in a population
- D) The geographic arrangement of individuals

5. What is the formula for calculating Growth Rate?

- A) $\text{Growth Rate} = (\text{Deaths} - \text{Births}) / \text{Initial Population Size}$

B) Growth Rate = (Births + Deaths) / Initial Population Size

C) Growth Rate = (Births - Deaths) / Initial Population Size

D) Growth Rate = (Initial Population Size) / (Births + Deaths)