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) Growth Rate = (Deaths - Births) / 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)