

Foundations of Nature Demography

Demography · Answer Key · 18 Questions

1. What is the term for the number of individuals of a single species living in a specific area?

- A) Population size**
- B) Habitat
- C) Ecosystem
- D) Biome

2. Which demographic factor increases the size of an animal population?

- A) Predation
- B) Birth rate**
- C) Disease
- D) Emigration

3. What is the movement of animals out of a population to a new location called?

- A) Immigration
- B) Migration
- C) Emigration**
- D) Extinction

4. When a population has more births than deaths, what happens to the total number of individuals?

- A) It decreases
- B) It stays the same
- C) It increases**
- D) It disappears

5. What is the study of human and animal population statistics called?

- A) Demography**
- B) Geography
- C) Geology
- D) Biology

6. Which of these is a limiting factor that can stop a population from growing?

- A) Abundant food
- B) Lack of space**
- C) Low temperature
- D) High oxygen

7. What term describes the number of deaths in a population over a specific period?

- A) Fertility rate
- B) Mortality rate**
- C) Growth rate
- D) Birth rate

8. What does a 'carrying capacity' represent in an environment?

- A) The maximum population size an area can support**
- B) The speed of animal migration
- C) The total land area of a park
- D) The number of species in a forest

9. If a population of squirrels is stable, what must be true about the birth and death rates?

- A) Birth rate is higher than death rate
- B) Death rate is higher than birth rate
- C) Birth rate and death rate are equal**
- D) Both rates are zero

10. What is the movement of animals into a new population area called?

- A) Immigration**
- B) Emigration
- C) Adaptation
- D) Hibernation

11. Which of these factors is most likely to decrease a population size?

- A) Abundant resources
- B) High birth rate
- C) Disease outbreak**
- D) Safe habitat

12. What term describes the average number of offspring produced by a female in a population?

- A) Mortality
- B) Fertility**
- C) Migration
- D) Population density

13. What is defined as the number of individuals per unit area or volume?

- A) Population density**
- B) Population age
- C) Population size
- D) Population distribution

14. In demography, what does 'age structure' represent?

- A) How old the oldest animal is
- B) The proportion of individuals in different age groups**
- C) The total lifespan of a species
- D) The size of the habitat

15. Which term refers to the variety of different species living in an ecosystem?

- A) Population
- B) Community
- C) Biodiversity**
- D) Habitat

16. What is the primary source of population growth in a closed ecosystem?

- A) Births**
- B) Immigration
- C) Emigration
- D) Death

17. Which of the following is an example of an abiotic factor that limits population size?

- A) Predator population
- B) Parasite levels
- C) Water availability**
- D) Prey density

18. What is the name for the period between birth and the ability to reproduce?

- A) Maturation**
- B) Extinction
- C) Migration
- D) Mortality