

What I Know

Choose the letter of the best answer. Write the chosen letter on a separate sheet of paper.

1. What refers to the change in the gene pool of population due to chance?
   A. bottleneck effect
   B. founder effect
   C. gene flow
   D. genetic drift

2. Which of the following happens when a small population of organisms separates from the larger group to invade a new area?
   A. bottleneck effect
   B. founder effect
   C. gene flow
   D. genetic drift

3. What refers to any movement of genes from one population to another?
   A. gene flow
   B. genetic shuffling
   C. genetic variation
   D. mutation

4. Who is the Father of Evolution?
   A. Alfred Russel Wallace
   B. Carolus Linnaeus
   C. Charles Darwin
   D. Jean Baptiste de Lamarck

5. Who proposed the theory of use and disuse?
   A. Alfred Russel Wallace
   B. Carolus Linnaeus
   C. Charles Darwin
   D. Jean Baptiste de Lamarck

6. Who believed that when populations grow geometrically, resources slowly increase leading to competition?
   A. Alfred Russel Wallace
   B. Carolus Linnaeus
   C. Jean Baptiste de Lamarck
   D. Thomas Malthus

7. Who is the Father of Taxonomy?
   A. Alfred Russel Wallace
   B. Carolus Linnaeus
   C. Jean Baptiste de Lamarck
   D. Thomas Malthus

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8. According to his theory of evolution, organisms change during their lifetime to survive, then pass these changes to their offspring. Who is the scientist credited for this theory?
    A. Carolus Linnaeus
    B. Charles Darwin
    C. Jean Baptiste de Lamarck
    D. Thomas Malthus

9. Who proposed the theory that involves natural selection?
    A. Carolus Linnaeus
    B. Charles Darwin
    C. Jean Baptiste de Lamarck
    D. Thomas Malthus

10. Which of the following is also called migration?
    A. gene flow
    B. genetic shuffling
    C. genetic variation
    D. mutation

11. Differences among individuals of a species are referred to?
    A. adaptation
    B. fitness
    C. natural selection
    D. natural variation

12. Which of the following refers to a change over time in the characteristics of a species?
    A. evolution
    B. gradualism
    C. migration
    D. mutation

13. Each living species has descended, with changes, from other species over time and as a result species today look different from their ancestors. Which theory describes this phenomenon?
    A. Theory of Descent with Modification
    B. Theory of Modification
    C. Theory of Natural Selection
    D. Theory of Survival

14. Which of the following explains the difference in survival of individuals that reproduce in a particular environment?
    A. evolution
    B. gene flow
    C. gradualism
    D. natural selection

15. Which of the following occurs when there is a change in genetic makeup of organism?
    A. gene flow
    B. genetic drift
    C. mutation
    D. natural selection

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