

Name _____

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GENETICS

Population Genetics

Based on the tutorial: [The Gene Pool and Population Genetics](#)

Matching Type: Match the term with its proper definition/description. Write the letter of your answer on the blank before each number. Note: some answers are repeated.

Terms:

- A. Population Genetics
- B. Adaptive radiation
- C. Natural selection
- D. Mutation
- E. Reproductive isolation

- F. Genetic drift
- G. Selective breeding
- H. Speciation
- I. Gene pool

- _____ 1. the formation of a new species
- _____ 2. a random change in the allele frequencies in a small population
- _____ 3. a new genetic variation in the gene pool
- _____ 4. when two groups of a species become separated and therefore cannot reproduce
- _____ 5. may lead to inbreeding depression and decreased genetic diversity
- _____ 6. also referred to as non-random mating
- _____ 7. studies evolution within populations
- _____ 8. a permanent, heritable change in the genome of an organism
- _____ 9. when one species evolves into a new species to fill an available niche
- _____ 10. defined as the stock of different genes in an interbreeding population
- _____ 11. results when differences in gene pool among species become so great that they cannot reproduce through interbreeding
- _____ 12. the drifting of the change in an allelic frequency due to a random event
- _____ 13. the species diversifies more and more from its ancestor over time
- _____ 14. the sum of genetic material of a population at a given time
- _____ 15. the process by which genes that make the species more suited to its environment are favored over those that are less beneficial to its survival and reproduction

Population Genetics And Speciation Skills Answer Key

Barbara M. Newman, Philip R. Newman



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$\text{HNO}_3 + \text{Mg}(\text{C}_2\text{H}_3\text{O}_2)_2 \rightarrow \text{Mg}(\text{NO}_3)_2 + \text{HC}_2\text{H}_3\text{O}_2$ chemical equation - Aug 11 2023

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