Name _____

Unraveling the Secrets of Population Genetics

Short Answer Key

1. The gene pool of a population refers to all the alleles present in the population.
2. Natural selection favors certain alleles that confer an advantage in a particular environment, while genetic drift causes random fluctuations in allele frequencies due to chance events.
3. Practical applications of population genetics include conservation biology, agriculture, and medicine.
4. Population genetics informs our understanding of human history by analyzing patterns of genetic variation in human populations.
5. Factors contributing to genetic differentiation between populations include genetic drift, gene flow, natural selection, and mutation.

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