

SC.912.L.15.13 – Natural Selection – Example 5 Answer

A small population of chimpanzees lives in a habitat that undergoes no changes for a long period. How will genetic drift probably affect this population?

- A. It will accelerate the appearance of new traits.**
- B. It will promote the survival of chimpanzees with beneficial traits.**
- C. It will increase the number of alleles for specific traits.**
- D. It will reduce genetic diversity.**

Answer

D. It will reduce genetic diversity.

Genetic drift is a change in the frequency of alleles due to chance. Typically, genetic drift decreases genetic diversity in a population.