

SC.912.L.15.13 – Natural Selection – Example 8 Answer

Theodosius Dobzhansky discovered that successful species tend to have a wide variety of genes that do not appear to be useful to the species in its present environment. What did this discovery help explain about genetics and the changes that occur in a species over time?

- A. Environments with more organisms tend to have more successful species.**
- B. Species with greater genetic diversity adapt more easily to changing environments.**
- C. Changing environments prevent species from adapting and surviving.**
- D. Species in a stable environment are more resistant to a changing environment.**

Answer

- B. Species with greater genetic diversity adapt more easily to changing environments.

Greater genetic diversity allows for a wide range of environmental changes to occur without harming the population of organisms.