

BIOLOGY

Standard B-5: The student will demonstrate an understanding of biological evolution and the diversity of life.

Indicators

B-5.1 Summarize the process of natural selection.

B-5.2 Explain how genetic processes result in the continuity of life-forms over time.

B-5.3 Explain how diversity within a species increases the chances of its survival.

B-5.4 Explain how genetic variability and environmental factors lead to biological evolution.

B-5.5 Exemplify scientific evidence in the fields of anatomy, embryology, biochemistry, and paleontology that underlies the theory of biological evolution.

B-5.6 Summarize ways that scientists use data from a variety of sources to investigate and critically analyze aspects of evolutionary theory.

B-5.7 Use a phylogenetic tree to identify the evolutionary relationships among different group of organisms.