

BIOL 3600 Introduction to Evolutionary Biology: The impact of evolution on the diversity of life on Earth

1. How has evolution impacted the diversity of life on Earth?
  - A. Evolution has resulted in a decrease in the diversity of life on Earth.
  - B. Evolution has resulted in an increase in the diversity of life on Earth.
  - C. Evolution has had no impact on the diversity of life on Earth.
2. Which of the following is an example of how evolution has impacted the diversity of life on Earth?
  - A. The extinction of the dinosaurs
  - B. The emergence of humans
  - C. The development of antibiotic resistance in bacteria
3. How might the diversity of life on Earth be different if evolution had not occurred?
  - A. There might be no life on Earth.
  - B. There might be fewer species on Earth.
  - C. There might be more species on Earth.
4. What is the primary mechanism by which evolution leads to an increase in the diversity of life on Earth?
  - A. Natural selection
  - B. Genetic drift
  - C. Mutation
5. Which of the following is NOT a factor that can lead to a decrease in the diversity of life on Earth?
  - A. Natural selection
  - B. Genetic drift
  - C. Mutation

Answer Key: 1. B, 2. C, 3. C, 4. A, 5. A