

# Quiz: Natural Selection, Adaptation, & Evolution

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## Part I: True or False

Directions: Write T or F

- \_\_\_ 1. Natural selection favors traits that help organisms survive and reproduce.
  - \_\_\_ 2. Adaptations are traits that decrease an organism's chances of survival.
  - \_\_\_ 3. Evolution is the change in populations over time.
  - \_\_\_ 4. All individuals in a population are exactly the same.
  - \_\_\_ 5. Natural selection can lead to adaptations in a population.
  - \_\_\_ 6. Evolution occurs in populations, not individual organisms.
  - \_\_\_ 7. An adaptation can be a physical trait, behavior, or physiological process.
  - \_\_\_ 8. Organisms develop new traits simply because they need them.
  - \_\_\_ 9. Fossils provide evidence that species have changed over time.
  - \_\_\_ 10. Natural selection acts on existing genetic variation within a population.
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## Part II: Matching

Directions: Match each term in Column A with the correct definition in Column B. Write the correct letter on the line.

### Column A

- 1. Natural Selection
- 2. Adaptation
- 3. Evolution
- 4. Variation
- 5. Fossil
- 6. Species
- 7. Environment
- 8. Inherited Trait

### Column B

- A. A trait that improves survival and reproduction
  - B. Evidence of past life preserved in rock
  - C. Individuals best suited to their environment survive and reproduce
  - D. Differences among individuals in a population
  - E. Change in populations over time
  - F. A group of organisms that can reproduce and produce fertile offspring
  - G. The surroundings in which an organism lives
  - H. A characteristic passed from parents to offspring
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