Quiz: Natural Selection, Adaptation, & Evolution

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.

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	Column B
1. Natural Selection	A. A trait that improves survival and reproduction
2. Adaptation	B. Evidence of past life preserved in rock
3. Evolution	C. Individuals best suited to their environment survive and reproduce
4. Variation	D. Differences among individuals in a population
5. Fossil	E. Change in populations over time
6. Species	F. A group of organisms that can reproduce and produce fertile offspring
7. Environment	G. The surroundings in which an organism lives
8. Inherited Trait	H. A characteristic passed from parents to offspring

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