

Artificial Selection vs. Natural Selection Worksheet

Part 1: True or False

1. Natural selection is controlled by humans.
2. Artificial selection involves humans choosing traits.
3. Natural selection depends on environmental conditions.
4. Artificial selection only occurs in wild populations.
5. Both natural and artificial selection involve inherited traits.

Part 2: Multiple Choice

6. What is natural selection?
 - A. Humans choosing traits
 - B. Random breeding
 - C. The environment selecting traits
 - D. Lab experiments
7. Which of the following is an example of artificial selection?
 - A. Dogs being bred for specific traits
 - B. Giraffes growing longer necks over time
 - C. Birds adapting to climate
 - D. Plants surviving drought naturally
8. What must be true for natural selection to occur?
 - A. No variation in traits
 - B. Humans must be involved
 - C. All organisms survive
 - D. Traits must be inherited
9. Who decides which traits are passed on in artificial selection?
 - A. The climate
 - B. Humans
 - C. Nature
 - D. The strongest animals
10. Which statement BEST compares natural and artificial selection?
 - A. Both involve traits being passed to offspring
 - B. Both are controlled by humans
 - C. Neither changes populations
 - D. Only artificial selection leads to change

Answer Key

True/False: 1. F 2. T 3. T 4. F 5. T

Multiple Choice: 6. C 7. A 8. D 9. B 10. A