

Modes of Natural Selection Assignment

I. Multiple Choices

1. Which of the following is an example of stabilizing selection?
 - a) Size of newborn human babies
 - b) Neck length of giraffe
 - c) Darwin's finches
 - d) All the above

2. Disruptive selection _____ in a population.
 - a) favors the average phenotype
 - b) favors the extreme phenotype
 - c) none of the following
 - d) both "a" and "b"

3. The mode of natural selection that favors extreme phenotypes and the selection in a direction is _____.
 - a) Stabilizing selection
 - b) Disruptive selection
 - c) Null selection
 - d) Directional selection

4. Characteristics or traits that helps the organism to survive in its environment is called _____.
 - a) adaptation
 - b) overproduction
 - c) variation
 - d) selection

5. Typical robins are the examples of _____.
 - a) Null selection
 - b) Stabilizing selection
 - c) Directional selection
 - d) Diversifying selection

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II. State true or false. If false, write the correct answer.

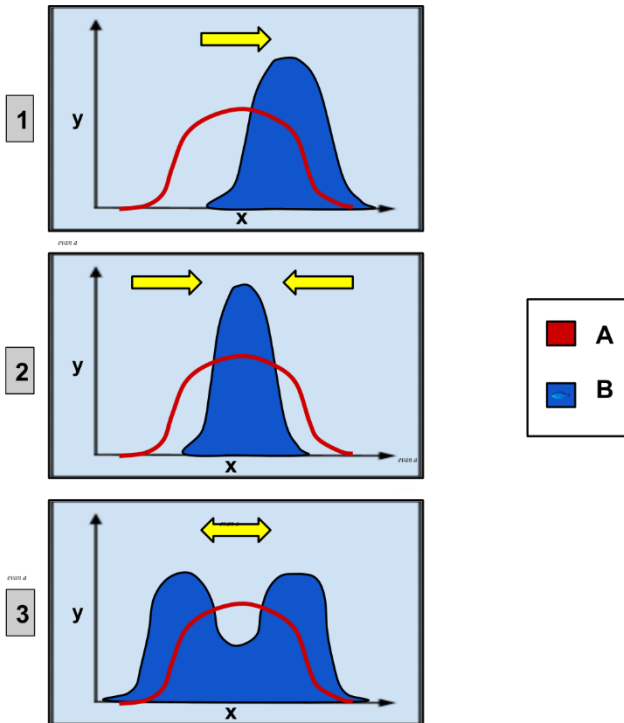
1. Individuals with beneficial traits will survive and reproduce in its environment.

2. Average sized turtles can survive more that small and large sized turtles. This is an example of stabilizing selection.

III. Name the types of bell curves in the figure given below:

A = original population

B = population after natural selection



Name: _____ Period: _____ Date: _____

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IV. Define disruptive selection.