



Date:

Student Exploration: Evolution: Natural and Artificial Selection

Directions: Follow the instructions to go through the simulation. Respond to the questions and prompts in the orange boxes.

Vocabulary:

artificial selection
breed
chromosome
evolution
fitness
genotype
mutation
natural selection, phenotype

[Note to teachers and students: This Gizmo was designed as a follow-up to the Evolution: Mutation and Selection Gizmo. We recommend doing that activity before trying this one.]

Prior Knowledge Question (Do this BEFORE using the Gizmo.)

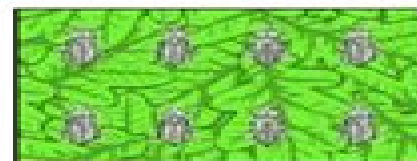


This illustration from an old textbook shows some of the over 150 different dog **breeds** that can be seen around the world today. How do you think all of these different breeds were developed?

They used artificial selection to breed new dog species

Gizmo Warm-up

Dog breeds and other varieties of domesticated animals were developed through **artificial selection**. Over many generations, breeders selected which animals to mate in order to select for desired traits. The *Evolution: Natural and Artificial Selection* Gizmo allows you to try your hand at breeding insects with a variety of colors. To begin, select the **Artificial selection** option.



1. Drag the 10 insects into the breeding alcoves on the left side of the Gizmo.

A. How many breeding pairs are there?

There are 5 pairs

Natural And Artificial Selection Worksheet Answers On Gizmos

Lifelique



Natural And Artificial Selection Worksheet Answers On Gizmos:

Natural and Artificial Selection in Numbers Lifeliqe,2019 This 135 minute lesson plan covers basic knowledge about natural and artificial selection

Embark on a transformative journey with Written by is captivating work, **Natural And Artificial Selection Worksheet Answers On Gizmos** . This enlightening ebook, available for download in a convenient PDF format , invites you to explore a world of boundless knowledge. Unleash your intellectual curiosity and discover the power of words as you dive into this riveting creation. Download now and elevate your reading experience to new heights .

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