

Name: _____

Date: _____

Student Exploration: Natural Selection

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

Vocabulary: biological evolution, camouflage, Industrial Revolution, lichen, morph, natural selection, peppered moth

Prior Knowledge Questions (Do these BEFORE using the Gizmo.)



Photo by Mission Science

The **peppered moth** (*Biston betularia*) is a common moth found in Europe, Asia, and North America. It is commonly found in two forms, or **morphs**: a dark morph and a light, speckled morph. Birds are a frequent predator of the peppered moth.

- Which morph do you think would be easier to see on a dark tree trunk?
A lighter color moth
- Which morph do you think would be easier to see on a light tree trunk?
A dark colored moth

The *Natural Selection* Gizmo allows you to play the role of a bird feeding on peppered moths. The initial population of 40 moths is scattered over 20 tree trunks. Click on moths to capture them. Click the **Next tree** button (or the **spacebar** on your keyboard) to advance to the next tree.

- Check that **LIGHT TREES** is selected. Click **Play** (), and hunt moths for one year.

- How many dark moths did you capture? 10
- How many light moths did you capture? 11

- Camouflage** is coloring or patterns that help an organism to blend in with the background. Which type of moth is better camouflaged on light bark? light colored moth

- If a forest contained mostly light-colored trees, which type of moth would you expect to be most common?

I would think that the light colored moth is the most common in lighter colored trees.



How many moths can you find?

Natural Selection Answer Key Gizmo

David Baud

A red circular graphic with a gradient, appearing as a semi-circle or a partial circle, located to the right of the author's name.

Natural Selection Answer Key Gizmo:

It's a Jungle in There David A. Rosenbaum, 2014-02-03 It's a Jungle in There proposes that the overarching theory of biology Darwin's theory should be the overarching theory of cognitive psychology Taking this approach David Rosenbaum suggests that the phenomena of cognitive psychology can be understood as emergent interactions among dumb neural elements competing and cooperating in a kind of inner jungle PC Mag, 1987-08 PCMag.com is a leading authority on technology delivering Labs based independent reviews of the latest products and services Our expert industry analysis and practical solutions help you make better buying decisions and get more from technology *India Today International*, 2000-10 **Billboard**, 1951-10-13 In its 114th year Billboard remains the world's premier weekly music publication and a diverse digital events brand content and data licensing platform Billboard publishes the most trusted charts and offers unrivaled reporting about the latest music video gaming media digital and mobile entertainment issues and trends **PC**, 1987 **PC Magazine**, 1987 **F & S Index United States Annual**, 2006 **IPTVisions**, 2000

Decoding **Natural Selection Answer Key Gizmo**: Revealing the Captivating Potential of Verbal Expression

In a time characterized by interconnectedness and an insatiable thirst for knowledge, the captivating potential of verbal expression has emerged as a formidable force. Its power to evoke sentiments, stimulate introspection, and incite profound transformations is genuinely awe-inspiring. Within the pages of "**Natural Selection Answer Key Gizmo**," a mesmerizing literary creation penned by a celebrated wordsmith, readers attempt an enlightening odyssey, unraveling the intricate significance of language and its enduring affect our lives. In this appraisal, we shall explore the book is central themes, evaluate its distinctive writing style, and gauge its pervasive influence on the hearts and minds of its readership.

https://staging.conocer.cide.edu/data/scholarship/HomePages/Introductory_Algebra_A_Real_world_Approach.pdf

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2014, 2015). Seat Altea 2008 Fuse Box The fuse box is located under the instrument panel behind the cover on the driver's side. Engine compartment fuse box location: Fuse Box Diagram | Layout. Seat Altea XL fuse box diagrams for all years Explore interactive fuse box and relay diagrams for the Seat Altea XL. Fuse boxes change across years, pick the year of your vehicle: Is ... Seat Altea (2005) - fuse box diagram Mar 8, 2018 — Seat Altea (2005) - fuse box diagram · Fuses box on the left side of dash panel · Location under steering wheel, on relay carrier · Fuses layout in ... Seat Altea 2010 Fuse Box The fuse box is located under the instrument panel behind the cover on the driver's side. Engine compartment fuse box location: Fuse Box Diagram | Layout. SEAT Fuse & Relay Diagram. PDF Download - Volkswagen Here you will find SEAT fuse box diagrams, Relay and Fitting locations: SEAT Arona, Ateca, Alhambra, Ibiza / Cordoba, Toledo / Altea, Leon, Arosa, Inka, ... 1. AB Calculus - Step-by-Step Name Write, but do not solve, an equation involving an integral expression whose solution k would be the number of days the height of the snow would be half of its ... Step by Step Student Let f be a twice-differentiable function defined on the interval. $0.5 < x < 4.5$ with $f(2) = 3$. The graph of f , the derivative of f is shown to the right. 70. AB Calculus - Step-by-Step Name Stu Schwartz. 70. AB Calculus - Step-by-Step. Name ... Describe the region in the xy -plane in which all the solutions to the differential equation are concave ... ABReview Stu Schwartz AB Calculus Exam - Review Sheet - Solutions. A. Precalculus Type problems ... $f(x)$. Step 1: Find $f(a)$. If you get a zero in the denominator,. Step 2 ... Diff EQ Practice.pdf - 70. AB Calculus - Step-by-Step Name View Diff_EQ_Practice.pdf from MATH 1300 at Brooklyn College, CUNY. 70. AB Calculus - Step-by-Step Name _ Consider the differential equation $dy/dx + 1 = y$ AB Calculus Manual (Revised 12/2019) This manual can easily replace an expensive textbook. Teachers teach right from it and students write in it. The Solution Manual is exactly the same as the ... AB Calculus - Step-by-Step - 24. Function Analysis There is a relative maximum at $x=2$ as f' switches from positive to negative. b. On what intervals is the graph of f concave upward? Justify your answers. (2). img-X26071655-0001 - 24. AB Calculus Step-by- ... View img-X26071655-0001 from MATH 2215 at Cameron University. 24. AB Calculus Step-by-Step Name The figure to the right shows the graph of f , the derivative ... MasterMathMentor AB31 - Definite Integrals with u-Substitution MMM AB Calculus MasterMath Mentor AB0102 - Intro to Calculus / Tangent line problem. Stu Schwartz · 28:56. MasterMathMentor AB03 - Rates of Change.