Biology

GIZMO - Natural Selection

60 Points

Directions: Navigate to explorelearning.com, log in, and click on Natural Selection Gizmo.

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

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

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? (1)

A Light Speckled Moth

Which morph do you think would be easier to see on a light tree trunk? (1)

A Dark Speckled Moth



Gizmo Warm-up

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.
 - A. How many dark moths did you capture? (1)

4 1 20



2



On the light bark, the light speckled moth is more camouflaged.



Natural Selection Gizmo Answer Sheet

G Thomas

Natural Selection Gizmo Answer Sheet:

Unveiling the Magic of Words: A Report on "Natural Selection Gizmo Answer Sheet"

In a world defined by information and interconnectivity, the enchanting power of words has acquired unparalleled significance. Their capability to kindle emotions, provoke contemplation, and ignite transformative change is truly awe-inspiring. Enter the realm of "Natural Selection Gizmo Answer Sheet," a mesmerizing literary masterpiece penned by a distinguished author, guiding readers on a profound journey to unravel the secrets and potential hidden within every word. In this critique, we shall delve into the book is central themes, examine its distinctive writing style, and assess its profound impact on the souls of its readers.

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