

## Natural Selection

## Answer Key

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

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

*[Note: The purpose of these questions is to activate prior knowledge and get students thinking. Students are not expected to know the answers to the Prior Knowledge Questions.]*



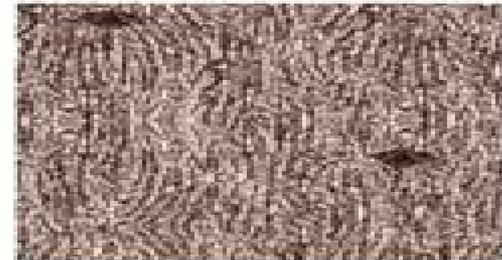
The **peppered moth** (*Biston betularia*) is a common moth found in Europe, Asia, and North America. It is commonly found in two forms, or **morphs**: a dark morph and a light, speckled morph. Birds are a frequent predator of the peppered moth.

- Which morph do you think would be easier to see on a dark tree trunk? *Light moths*
- Which morph do you think would be easier to see on a light tree trunk? *Dark moths*

### 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 hit the **spacebar** on your keyboard to advance to the next tree.

- Check that **LIGHT TREES** is selected. Click **Start** and hunt moths for one year.
  - How many dark moths did you capture? *Results will vary.*
  - How many light moths did you capture? *Results will vary.*
  - 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 moths*
- If a forest contained mostly light-colored trees, which type of moth would you expect to be most common? *Light moths would be more common because they are better camouflaged.*



How many moths can you find?

# Moth Gizmo Answer Key

**AW Chickering**

**Moth Gizmo Answer Key:**

**India Today International ,2000-10**

## **Moth Gizmo Answer Key** Book Review: Unveiling the Magic of Language

In an electronic era where connections and knowledge reign supreme, the enchanting power of language has are more apparent than ever. Its capability to stir emotions, provoke thought, and instigate transformation is really remarkable. This extraordinary book, aptly titled "**Moth Gizmo Answer Key**," published by a highly acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound impact on our existence. Throughout this critique, we will delve in to the book is central themes, evaluate its unique writing style, and assess its overall influence on its readership.

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