



# Peppered Moth Game

Objective: Simulate changes in moth population due to pollution and predation, and observe how species can change over time.

Go to: <https://askabiologist.asu.edu/peppered-moths-game/play.html> and read each section before you play the game, answer the questions as you go.

## Peppered Moth

1. Where do peppered moths live? England
2. How do the moth larvae survive predators? They look like a small branch so they camouflage
3. What do the moths do during the winter? They change into cocoons
4. What color is the "typical" version of the moths? light  
What color is the "carbonaria" version? black
5. How do adult moths survive predation? by hunting and flying at night and resting in the morning



## Natural Selection

6. What was the industrial revolution? Factories were being build and they used coal and oil

7. What was the effect of the change in the color of the moths? The lightest color moths were the most common before the industrial revolution

8. What was the effect of the change in the color of the moths? The dark color moths were the most common after the industrial revolution

9. Why would dark moths have an advantage? They were better camouflaged than the light moths

## Dr. Huxford

10. What is an advantage? Being better camouflaged

11. What is an advantage? Being better camouflaged than the light moths

12. Dr. Huxford predicted that dark moths would have more survival than light moths.

13. Dr. Huxford predicted that dark moths would have more survival than light moths.

14. How did Huxford test his hypothesis? He released moths into the environment and observed their survival

15. How did Huxford determine if moths had changed their color? He observed the color of the moths

# Peppered Moth Answer Key

**F Rizvi**



## **Peppered Moth Answer Key:**

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

In an electronic digital era where connections and knowledge reign supreme, the enchanting power of language has become more apparent than ever. Its power to stir emotions, provoke thought, and instigate transformation is truly remarkable. This extraordinary book, aptly titled "**Peppered Moth Answer Key**," written by a very acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound effect on our existence. Throughout this critique, we shall delve into the book's central themes, evaluate its unique writing style, and assess its overall influence on its readership.

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