

Name: _____

Hour: 1 2 3 4 5 6 7

Peppered Moth Simulation

Objectives

Describe the importance of coloration in avoiding predation.
Relate environmental change to changes in organisms.
Explain how natural selection causes populations to change.

Materials

Sheet of white paper and newspaper
Foragee
Clock with second hand or stopwatch
30 newspaper circles 30 white circles (made with hole punch)

Purpose

In this lab, you will see what how predators locate prey in different environments. You will analyze how color affects an organism's ability to survive in certain environments. **Melanism** is when an organism becomes darker. **Industrial Melanism** is a term used to describe the adaptation of a population specifically in becoming darker in response to pollution. One example of rapid industrial melanism occurred in populations of peppered moths in the area of Manchester, England from 1845 to 1890. Before the industrial revolution, the trunks of the trees in the forest around Manchester were light grayish-green due to the presence of lichens. Most of the peppered moths in the area were light colored with dark spots. As the industrial revolution progressed, the tree trunks became covered with soot and turned dark. Over a period of 45 years, the dark variety of the peppered moth became more common.



Word	Definition
Predation	
Natural Selection	
Foragee	
Regulation	
Hypothesis	
Scientific Theory	

Peppered Moth Simulation Answer Key Techapps

Sabine Zange



Peppered Moth Simulation Answer Key Techapps:

The book delves into Peppered Moth Simulation Answer Key Techapps. Peppered Moth Simulation Answer Key Techapps is an essential topic that must be grasped by everyone, from students and scholars to the general public. This book will furnish comprehensive and in-depth insights into Peppered Moth Simulation Answer Key Techapps, encompassing both the fundamentals and more intricate discussions.

1. This book is structured into several chapters, namely:
 - Chapter 1: Introduction to Peppered Moth Simulation Answer Key Techapps
 - Chapter 2: Essential Elements of Peppered Moth Simulation Answer Key Techapps
 - Chapter 3: Peppered Moth Simulation Answer Key Techapps in Everyday Life
 - Chapter 4: Peppered Moth Simulation Answer Key Techapps in Specific Contexts
 - Chapter 5: Conclusion
 2. In chapter 1, this book will provide an overview of Peppered Moth Simulation Answer Key Techapps. This chapter will explore what Peppered Moth Simulation Answer Key Techapps is, why Peppered Moth Simulation Answer Key Techapps is vital, and how to effectively learn about Peppered Moth Simulation Answer Key Techapps.
 3. In chapter 2, the author will delve into the foundational concepts of Peppered Moth Simulation Answer Key Techapps. The second chapter will elucidate the essential principles that need to be understood to grasp Peppered Moth Simulation Answer Key Techapps in its entirety.
 4. In chapter 3, this book will examine the practical applications of Peppered Moth Simulation Answer Key Techapps in daily life. The third chapter will showcase real-world examples of how Peppered Moth Simulation Answer Key Techapps can be effectively utilized in everyday scenarios.
 5. In chapter 4, the author will scrutinize the relevance of Peppered Moth Simulation Answer Key Techapps in specific contexts. The fourth chapter will explore how Peppered Moth Simulation Answer Key Techapps is applied in specialized fields, such as education, business, and technology.
 6. In chapter 5, this book will draw a conclusion about Peppered Moth Simulation Answer Key Techapps. The final chapter will summarize the key points that have been discussed throughout the book.
- The book is crafted in an easy-to-understand language and is complemented by engaging illustrations. It is highly recommended for anyone seeking to gain a comprehensive understanding of Peppered Moth Simulation Answer Key Techapps.

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