Vaime:	

Peppered Moth Simulation



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

Introduction:

Charles Darwin accumulated a tremendous collection of facts to support the theory of evolution by natural selection. One of his difficulties in demonstrating the theory, however, was the lack of an example of evolution over a short period of time, which could be observed as it was taking place in nature. Although Darwin was unaware of it, remarkable examples of evolution, which might have helped to persuade people of his theory, were in the countryside of his native England. One such example is the evolution of the peppered moth *Biston betularia*. The economic changes known as the industrial revolution began in the middle of the eighteenth century. Since then, tons of soot have been deposited on the countryside around industrial areas. The soot discolored and generally darkened the surfaces of trees and rocks. In 1848, a dark-coloured moth was first recorded. Today, in some areas, 90% or more of the-peppered moths are dark in color. More than 70 species of moth in England have undergone a change from light to dark. Similar observations have been made in other industrial nations, including the United States.

Instructions:

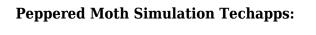
Click the link below to read more information on Kettlewell's study of moths. At the end, you will run two simulations for 5 minutes each, during this time you will play the part of a bluejay that eats moths.

After 5 minutes record the % of dark moths and light moths - you will need this information later. Peppered Moth Simulation at peppermoths, weebly, com

Data and Analysis

Peppered Moth Simulation Techapps

Ying Liu



Unveiling the Power of Verbal Artistry: An Mental Sojourn through **Peppered Moth Simulation Techapps**

In a global inundated with screens and the cacophony of fast communication, the profound power and mental resonance of verbal beauty frequently fade into obscurity, eclipsed by the regular assault of noise and distractions. However, located within the musical pages of **Peppered Moth Simulation Techapps**, a interesting perform of fictional splendor that pulses with natural thoughts, lies an wonderful journey waiting to be embarked upon. Composed with a virtuoso wordsmith, this interesting opus instructions viewers on a mental odyssey, gently revealing the latent potential and profound affect stuck within the complicated internet of language. Within the heart-wrenching expanse with this evocative analysis, we can embark upon an introspective exploration of the book is key themes, dissect their charming publishing model, and immerse ourselves in the indelible effect it leaves upon the depths of readers souls.

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