

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? _____
2. How do the moth larvae survive predators? _____
3. What do the moths do during the winter? _____
4. What color is the "typical" version of the moths? _____
What color is the "carbonaria" version? _____
5. How do adult moths survive predation? _____



Natural Selection

6. What was the industrial revolution? _____
7. What was causing the change in the color of the moths? _____
8. What is natural selection? _____
9. Why would dark moths have an advantage? _____

Dr. Kettlewell

10. What is an entomologist? _____
11. How do scientists test theories? _____
12. Dr. Kettlewell predicted that clean forests would have _____ colored moths,
and polluted forests would have _____ colored moths.
13. How did Kettlewell test his hypothesis? _____
14. How did Kettlewell determine if moths lived longer than others? _____

Peppered Moth Simulation Worksheet Answer Key

H Kauffman

A red circular graphic with a gradient, appearing as a semi-circle or a partial circle, located to the right of the author's name.

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