

Name(s) \_\_\_\_\_

### Peppered Moth Analysis

#### 1. Data Table

	Percent Dark Moths	Percent Light Moths
Lichen Forest		
Sooty Forest		

2. Explain how the color of moths increases or decreases their chances of survival depending on the environment.

3. 500 light colored moths and 500 dark colored moths are released into a polluted forest. After 2 days the moths were recaptured, make a prediction about the number of each type of moth that would be captured.

4. How has the striking change in coloration come about? (Include an explanation of how the dark moth appeared and how the proportion of dark moths changed from 0.0005% to more than 90% in polluted forests.)

5. What underlying law of nature has produced this change? (Use Darwin's theory of evolution and apply it to what you have learned in this investigation.)