

Due Friday 3/16

Name_____ per_____

[96] Battling Beaks F-33 → F-36

1. Follow the procedure on pages F-34→ F-35 and collect your group data
2. Get the class data (procedure step #8)
3. Graph the class data (procedure step #9)
4. Attach your data and graph to this paper

Analysis

1. Which type of forkbird was the most successful (class data)? Do you think these forkbirds had the best beak for eating O's? Explain how the forks modeled 'favorable traits'.
2. How did the forkbird activity simulate genetic variation?
3. Explain how the lab modeled successful reproduction.

4. The forkbirds that you studied are a single species. Although they look slightly different, they are part of a single, interbreeding population. Imagine that a change in the food supply happened.
 - a. As a result of heavy rains, the major source of forkbird food is now soft berries, like blueberries. After many, many generations, what would happen to the forkbird population? Explain your reasoning using the ideas of natural selection.

Natural Selection: Use evidence to support an explanation that behaviors and structures affect the success of organisms.

Highly Proficient (4)	Proficient (3)	Close to Proficient (2)	Developing (1)
<ul style="list-style-type: none"> <input type="checkbox"/> Change in food supply is connected to the ideas of natural selection. <input type="checkbox"/> all answers have evidence and detail. 	<ul style="list-style-type: none"> <input type="checkbox"/> student understands the basics of natural selection <input type="checkbox"/> analysis questions are complete and most show thought. <input type="checkbox"/> Graph is complete and correct. 	<ul style="list-style-type: none"> <input type="checkbox"/> Student has some knowledge of natural selection <input type="checkbox"/> Answers need more detail for higher level <input type="checkbox"/> Some information is incorrect <input type="checkbox"/> Graph is attempted. 	<ul style="list-style-type: none"> <input type="checkbox"/> no understanding is shown <input type="checkbox"/> questions are mostly incomplete. <input type="checkbox"/> Graph is not attempted