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# “THE BEAKS OF FINCHES” LAB



## INTRODUCTION

Environmental conditions act as selecting agents because they select organisms with the most beneficial traits to become the parents of the next generation. Within a species, individuals with variations that make them better adapted to their environment will survive and reproduce in greater numbers than those without such adaptations. Observations have shown that the offspring of better-adapted individuals inherit many of their parents' favorable variations.

Finches are small birds found in many locations throughout the world. Charles Darwin used the numerous finch species found on the Galapagos Islands as evidence of natural selection. The great variety of beak adaptations present on the Galapagos is thought to be due to the isolation of bird populations on the islands with different kinds and amounts of food. Seed-eating finches exhibit a great number of differences in beak shapes and sizes. During ongoing competition for resources, some finches are successful and become more numerous, while less successful finches decrease in number.

In this laboratory activity, you will work with different tools that will serve to model finch “beaks”. The seeds provided represent finch food on a particular island. You will compete with other “finch” species to see which “beak” is best adapted for obtaining a specific food.

## HYPOTHESIS:

1. Examine the different tools (“beaks”) and seeds provided. Predict which “beak” will be the *most* successful at picking up small seeds. Give the reasons for your choice.

2. Predict which “beak” will be the *least* successful at picking up small seeds. Give the reasons for your choice.

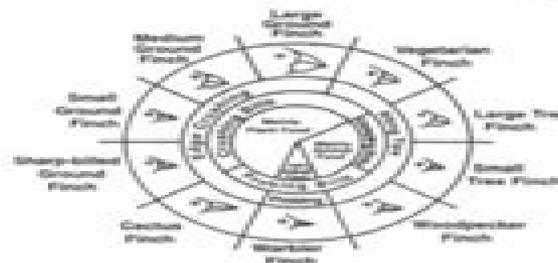


Figure 1. Variations in Beaks of Galapagos Islands Finches  
— From Galapagos: A Natural History Guide

## ROUND ONE: *No Competition, Original Island*

1. When given the “Round One” signal, one member of your team should use the “beak” to pick up small seeds one at a time from the large dish and place them in the small dish. Repeat this for a total of four trials, two trials for each partner. A timekeeper will tell you when to start and stop each trial. Record your results in the “Round One: Feeding with No Competition” data table.

Round One: Feeding with No Competition

		Seeds Collected
Partner #1	Trial #1	
	Trial #2	
Partner #2	Trial #3	
	Trial #4	
Average		

# Beak Of The Finch Lab Answer Key

**Murray P. Pendarvis, John L. Crawley**

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## Embracing the Beat of Phrase: An Psychological Symphony within **Beak Of The Finch Lab Answer Key**

In a world used by screens and the ceaseless chatter of quick conversation, the melodic splendor and emotional symphony produced by the prepared word frequently disappear in to the back ground, eclipsed by the relentless noise and disturbances that permeate our lives. But, situated within the pages of **Beak Of The Finch Lab Answer Key** a marvelous literary value brimming with raw emotions, lies an immersive symphony waiting to be embraced. Constructed by a wonderful composer of language, this captivating masterpiece conducts viewers on an emotional trip, skillfully unraveling the concealed songs and profound impact resonating within each carefully crafted phrase. Within the depths of this touching review, we will investigate the book is main harmonies, analyze its enthralling writing type, and submit ourselves to the profound resonance that echoes in the depths of readers souls.

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