

Finches Exploration Worksheet

Name _____

Go to the following website: <http://bguile.northwestern.edu/>

Research Questions:

- 1) Why did so many of the medium ground finches die in 1976-1977?
- 2) Why did some of the medium ground finches survive in 1976-1977?

After exploring the data on this website, your objective is to develop a hypothesis that answers these two questions. To help form your hypothesis, make specific claims and then provide evidence for each claim.

Your Choice! You can choose whatever data you want to support your claims, and you can choose whatever data you want to highlight when sharing your findings with the class!

Claim #1: Evidence:	Claim #2: Evidence:
Claim #3: Evidence:	Claim #4: Evidence:

Hypothesis:

1. Many of the medium ground finches died 1976 – 1977 because (Claims) + (Evidence)
or
2. Some of the medium ground finches survived 1976 – 1977 because (Claims) + (Evidence)

Extend - Research Project (Google Classroom)

Complete in GoogleDoc and submit as a group. You will be presenting this to your classmates.

From your initial research/exploration, choose your top claim with evidence to support your claim. Following guideline will be use to evaluate your project:

Claim is clearly supported by the evidence found from scientific data (20points).

Further exploration: Using the website (<http://bguile.northwestern.edu/>), find one heritable trait of finches that was favored during the 1977 drought. How did the frequency of this trait (allele) shift from 1976 to 1978. Support your finding with data (i.e. graph) (20 points).

Total: 40 points