

Name: _____ Date _____ Per _____

Darwin's Bean Dip

Hypothesis: _____

Class Data:

	Straw Birds	Knife Birds	Fork Birds	Mutated Birds
Founding Generation	7	7	8	0
Generation 1	4	5	8	0
Generation 2 (Drought)	1	3	8	3
Generation 3	1	2	13	6
Generation 4 (Random Virus in 1 type of food)	0	3	12	1
Generation 5	0	2	26	2

Using the class data shown by your teacher answer the following questions:

1. Which Species was most successful in each round?

Round 1: _____ Round 2: _____ Round 3: _____

Round 4: _____ Round 5: _____

2. My hypothesis was _____ (right/wrong) because the _____ bird was the most successful. It was the most successful because

3. Over time, which beak do you think will become most common in the population of birds and why?

4. How does this experiment relate to naturally occurring animals, e.g. birds, for example?

5. What is the best suited trait in this experience, and why?

6. How might a group of organisms in nature avoid extinction due to competition? (Hint: Darwin's Finches are a great example).

7. Write a paragraph about this experience, pointing out how it illustrates the elements of natural selection.