**ANALYSIS AND CONCLUSIONS**

1. In Part 1, calculate in the table below:

**PART 1—ENVIRONMENT WHITE SAND**

|  |  |  |
| --- | --- | --- |
| Generation | Total white mice | Total brown mice |
| 1 |  |  |
| 2 |  |  |
| 3 |  |  |
| TOTALS | Add above= | Add above= |

**Calculate Death Rate:**

Divide the total number of white mice that died \_\_\_\_\_by the total number of white mice\_\_\_\_\_\_\_ and multiply by 100 = \_\_\_\_\_\_\_%--death rate for WHITE mice.

Divide the total number of brown mice that died \_\_\_\_\_by the total number of brown mice\_\_\_\_\_\_\_ and multiply by 100 = \_\_\_\_\_\_\_%--death rate for BROWN mice.

2. In Part 2, calculate in the table below:

**PART 2—ENVIRONMENT BROWN FOREST FLOOR**

|  |  |  |
| --- | --- | --- |
| Generation | Total white mice | Total brown mice |
| 1 |  |  |
| 2 |  |  |
| 3 |  |  |
| TOTALS | Add above= | Add above= |

**Calculate Death Rate:**

Divide the total number of white mice that died \_\_\_\_\_by the total number of white mice\_\_\_\_\_\_\_ and multiply by 100 = \_\_\_\_\_\_\_%--death rate for WHITE mice.

Divide the total number of brown mice that died \_\_\_\_\_by the total number of brown mice\_\_\_\_\_\_\_ and multiply by 100 = \_\_\_\_\_\_\_%--death rate for BROWN mice.

3. If the events in Part 1 occurred in nature, how would the group of mice change over time?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4. How did the results in Part 2 differ from those in Part 1?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4. How would it affect your model if you increased the number of “C” cards? \_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

AND what would happen if you decreased the number of “C” cards: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5. Write an explanation of the point of this lab to Charles Darwin by answering the following questions. What are some ways in which this lab models Natural Selection and what are some ways in which Natural Selection differs from this model?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_