

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Sec. \_\_\_\_\_

## Data Analysis Organize your Data

### Part 1: First Impressions

**Directions:** Please discuss these questions with your group. Write your answers in your SF Notebook in complete sentences.

1. What was difficult about collecting data?
2. There were many sprouts to measure and count, how did you manage the data collection?
3. What didn't go as expected?
4. What surprises did you experience?
5. Without reviewing the data, what is your impression about what the data tells you. Do you feel that your hypothesis was supported? You may look back at your hypothesis to remind you of what it was.

### Part 2: Initial Analysis

**Directions:** Your data collection was spread out over many days and different pages in your Science Fair journal. You need to find a way to represent it in a table.

1. Discuss a way to create one table for each type of measurement you made (height, # of Sprouts, etc...). Here are some things to think about:
  - There's a lot of data to represent (many sprouts in six sprouter cells). You may want to decide on a way to summarize the data for each group (control vs. experimental).
  - Can you think of a way that math may help you summarize the data?
  - If a cell has several sprouts, you can't just report the tallest one. You need to find a way to summarize the data for all the sprouts.
2. Show your idea to Mr. Shopis when you feel you've got it.
3. When Mr. Shopis approves your idea, go back to rows and individually create data tables using data from your SF journal.