

Name \_\_\_\_\_ Teacher \_\_\_\_\_ Date \_\_\_\_\_

## 3.4PT: Observing Plants' Mass Changes, Part 2 Worksheet

Use this worksheet to complete the Observing Plants' Mass Changes investigation and to record your observations, measurements, and class results.

**A. Steps in the investigation:** *Check the box as you complete each step.*

Gather together the following worksheets:

- Pre 0.2PT Plant Growth Investigation Setup and
- 3.2PT Observing Plants Mass Changes Part 1.

**B. After the plants are dry:**

- Mass the envelope with the dried plants inside: \_\_\_\_\_ grams
- Subtract the mass of the empty envelope and record the total mass of your dry plant material: \_\_\_\_\_ grams. *Record this in the table below.*
- Mass the dry paper towel from your container: \_\_\_\_\_ grams. *Record this in the table below*
- Fill in the following data in the data table in Part B, below, on this worksheet using data from your previous worksheets:
  - a. Total mass of the paper towel before you planted (Pre 0.2PT)
  - b. Total mass of the radish seeds added to your container (Pre 0.2PT)

**C. Dry Mass Experiment Summary Table:** Record the values from the Pre 0.2 and 3.2 worksheets here. If the mass is less than 0.01g, record it as <0.01g. For our purposes, we will treat this as a zero when doing any calculations with it.

<b>Inputs</b>	<b>Outputs</b>
Total mass in containers BEFORE	Total mass in containers AFTER
1. Total mass of radish seeds: _____ g	2. Total mass of dry radish plants: _____ g
3. Total mass of brown paper towel _____ g	4. Total mass of dry brown paper towel _____ g
<b>Change in mass of radish plants:</b> (= #2 – #1):  _____ grams	<b>Change in mass of paper towel:</b> (= #4 – #3):  _____ grams

**D. Results for the whole class:** Make notes about how the observations and measurements of other groups compared to yours. Describe patterns in your class data.

**1. Changes in dry mass of the plants:**

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**2. Changes in dry mass of the paper towel:**

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