

Name _____ Teacher _____ Date _____

3.2PT: Observing Plants' Mass Changes Worksheet: Part 1

Use this worksheet to harvest your radish plants after at least two weeks of growth by separating them from the paper towel and drying them in preparation for Activity 3.4: Observing Plants' Mass Changes, Part 2.

A. Separate the plants from the paper towel before drying.

It's easier to separate the radish plant roots from the paper towel before dry-down.

- Pour out excess water from the trays.
- Count how many radish seedlings grew: _____
- Count how many radish seeds did not sprout: _____
- Record the mass of an empty small envelope for your group: _____ grams and write your group name and the mass on it.
- Gently remove *all* of the plant material (seedlings, roots, and seeds that didn't grow) from the paper towel and place it in the envelope. Do not seal the envelope. Discard the yarn wicks.
- Copy the values you recorded above in to the table below.

Number of plants that grew	Number of seeds that didn't grow	Mass of empty envelope
		grams

B. Dry down your plants.

You have two options for drying out your plants. Check the box of the option your class chose:

- Place the containers with paper towel and the open envelopes (carefully!) in a sunny windowsill to dry. Wait 2-5 days until they are nice and crispy before completing the rest of the instructions.
- Place the whole experiment in a barely warm drying oven until crispy. Be careful not to burn the paper towel or envelopes!

C. Observations

Record your macroscopic-scale observations below. Use drawings and/or words.

Observation Idea starters: How much have your radish plants grown? Which is larger, the roots or the stem/leaves? What colors are the leaves, stems, and roots? Has the paper towel changed in any way? How?