

Chapter 8

Use with Section 1

ENRICHMENT

● Characteristics of Plants

Sweet Celery

The following activity will show you how a vascular plant moves nutrients to all its parts.

Materials  

2 fresh, washed stalks of celery with leaves (stalks from the middle of the bunch work best)

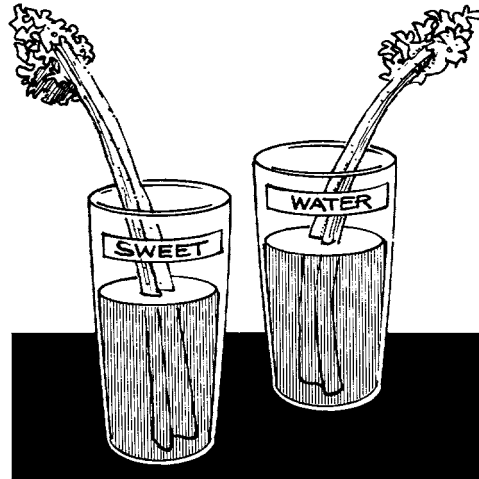
2 tall glasses

sugar

measuring spoons

masking tape

pen



Procedure

1. Fill each glass half full with water.
2. Add 4 tablespoons of sugar to one of the glasses. Label the glass "sweet" on a piece of masking tape.
3. Label the other glass "water."
4. Put a celery stalk in each glass and leave them for 48 hours.
5. Taste the leaves from each stalk. **CAUTION:** *Never taste anything in a lab setting. This activity is safe because it uses only celery, sugar, and water.*

Data and Observations

1. How did the celery leaf from the sugar water taste? _____
2. How did the celery leaf from the plain water taste? _____

Conclude and Apply

1. How did the sugar get from the water to the celery leaf? _____

2. How do plants get nutrients from the soil to their leaves? _____

3. What advantages do plants with this adaptation have? _____

