

## Chapter 11

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)

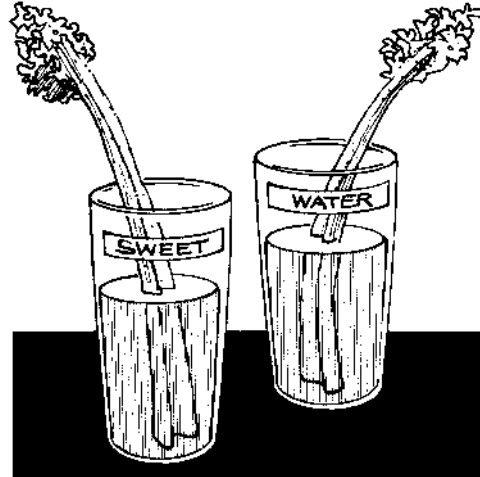
2 tall glasses

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? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_