

Experiment: How do Plants Take Up Water?

You will need:

Two celery stalks

Two clear water glasses

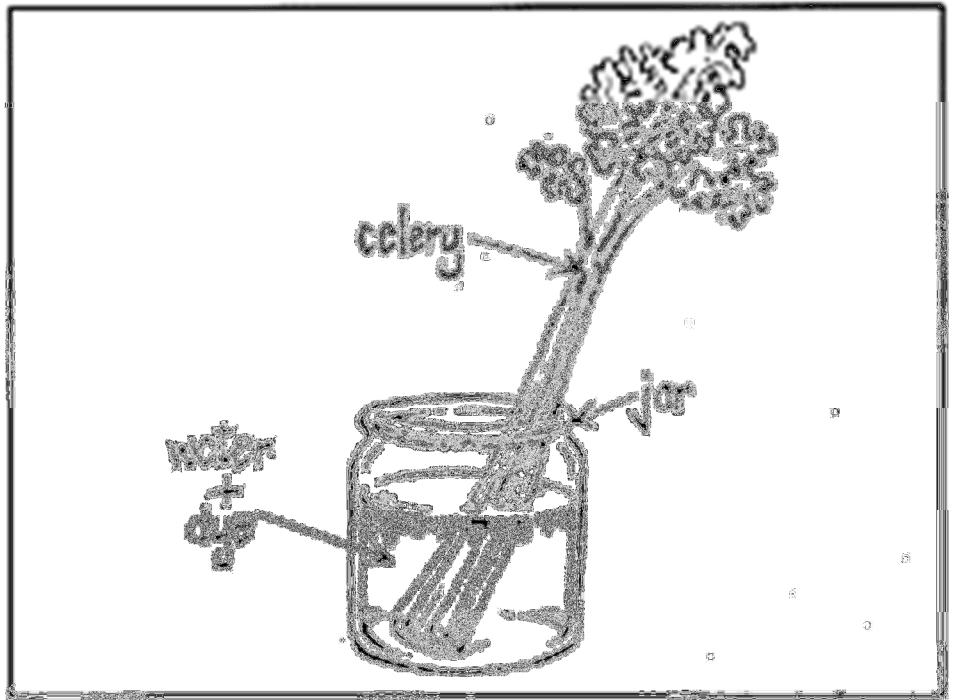
Red food coloring

Water

Vegetable peeler

What to do:

- 1) Add water to each glass, filling it half way. Add 10 drops of food coloring
- 2) Place a celery stalk in each glass.
- 3) Wait an hour and remove one stalk. Examine the stalk and write any changes in color that you observe. Use the peeler to see how deep the changes appear on the celery.
- 4) Check the second stalk of celery the next day. Write down your observations.



Answer these questions:

What made the color in the celery change?

Did the length of time in the colored water make difference in the celery?

How do you think the celery stalk is similar to a tree?