

Colour-Changing Celery

What You Need

2 celery stalks with leaves attached

2 tall glasses to stand a celery stalk in

water

dark food colouring (red or blue work best)

spoon

knife (adult supervision is recommended)

What You Do

1. Fill the cup about halfway with water.
2. Add about 5 drops of blue food colouring to the water in one glass. The more food colouring you put in, the easier it will be to see later.
3. Do the same for the red food colouring in the other glass.
4. You may need an adult's help for this part. Cut off the bottom of each celery stalk so the ends are fresh. (A dry end won't work.)
5. Set a celery stalk in the blue water and the other celery stalk in the red water.
6. Set the experiment aside for at least 24 hours.
7. When 24 hours or more have passed, look at the celery. Observe what happened to the leaves.
8. Take the celery out of the water and look at the bottom of each stalk. Observe what happened to the ends of the celery stalks.
9. Break or cut the celery stalks in half. Ask for an adult's help if you need it. Observe the inside of the stalks.
10. If you wish, you can do the other suggested experiments at the end of the video. Observe and record your results on a separate piece of paper.