

Name: _____

Date: _____

Life Science

Period: _____

Plants



The Great Celery Experiment

Materials Used:

- 1 tall cup
- 1 knife
- Food coloring
- Celery stalk with lots of leaves at the top

What has been done in preparation for your observation:

1. A cup was filled $\frac{3}{4}$ of the way to the top with water.
2. Food coloring (blue or red) was added to the water (enough to make the water dark).
3. A celery stalk was cut and placed in the colored water, with the leaves sticking up.
4. The celery stalk was left in the water for approximately 24 hours.

Analysis Questions:

1. Compare the celery stalk that was placed in colored water with the fresh celery stalk in front of you. What do you think happened to the celery stalk overnight?

2. How can you tell that the water reached the top of the plant (celery stalk)?

3. Carefully remove the celery stalk from the cup of colored water. What are the small circles at the bottom of the stalk that are the color of the food coloring that was used?

4. Why does the water move up through the plant towards the leaves?
