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at Double Oak Farm

Celery Experiment

Materials needed for this activity are a piece of celery, two small cups with water, and two different colors of food dye. Follow the steps listed below.

- 1) Fill the two glasses with water.
- 2) Add food coloring to each glass. A different color for each glass.
- 3) Split the stalk of celery in half about 2/3 of the way up.
- 4) Place a section of the celery into a glass.
- 5) Wait about a day and check back.

Write and/or draw the observations that you make here.

What role do you think the stalk plays?



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The stalk moves water and nutrients from the roots to the leaves of the plant. To learn more about the different parts of a plant do the activity Studying Nature with our Food Part 2.

Celery Experiment 2

For this next experiment you are going to need just the base of celery bunch, a bowl with water, and a sunny window. Follow the steps listed below:

- 1) Cut off the base to a celery bunch; the length of the base should be 1 inch.
- 2) Place base in a small bowl.
- 3) Fill bowl with water till level is halfway up celery base.
- 4) Place in front of sunny window and wait.

After you have placed the bowl in the window write out what you think is going to happen and why you think that will happen?

After 3 days in the window check the water level and refill if needed. Write and/or draw your observations below.



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After 6 days in the window check the water level and refill if needed. Write and/or draw your observations below.

After 10 days in the window check the water level and refill if needed. Write and/or draw your observations below.



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After 15 days in the window check the water level and refill if needed. Write and/or draw your observations below.

After 20 days in the window check the water level and refill if needed. Write and/or draw your observations below.



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Let's recap and go back to when you started your celery experiment. What did you think would happen to the celery base? Did that prediction come true?

Now your celery is ready for some soil! You will need a pot and some soil. This will help your celery plant grow and you will eventually be able to collect a stick of celery and eat it yourself! Make sure to water your new celery plant and give it sunlight. When you go to harvest your celery make sure to only take a stick or two at a time and harvest the stems on the outside.

Thank you for participating in Sanctuary One education. We hope you enjoyed this at home garden activity. Feel free to share any pictures of your experiments with us.