

Capillary Carnations

Section: The Chemistry of Earth & Life Sciences

Name: _____

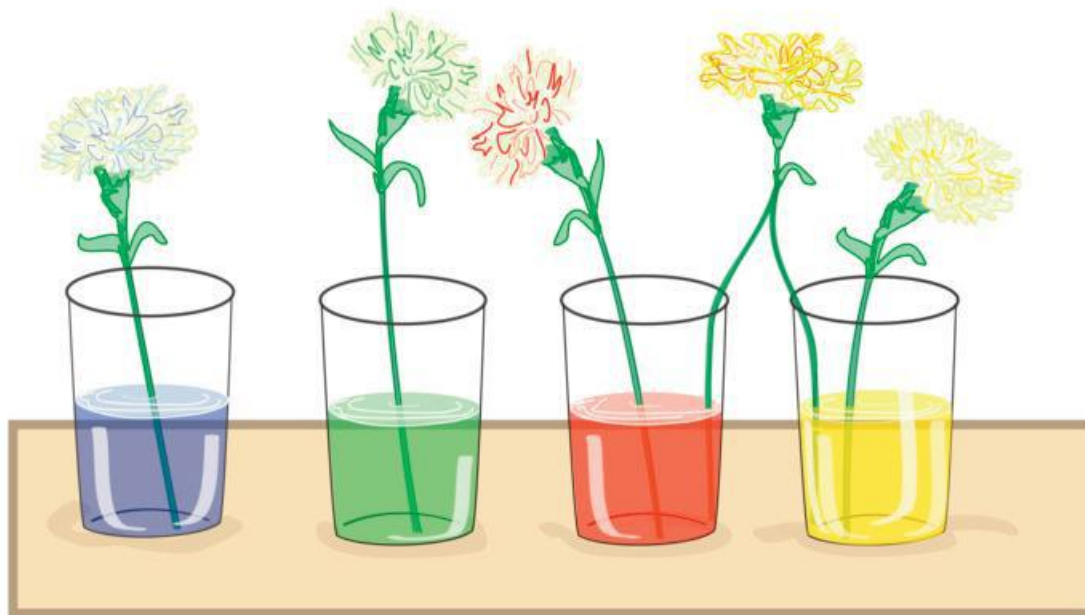
Date: _____

Inquiry Question

Write down what you'll be learning today! What do you want to understand?

Procedure

1. Fill a cup halfway with water
2. Add 20-30 drops food coloring
3. Cut two inches from the bottom of the flower's stem
4. Place the flowers in the colored water
5. Wait several hours, or until the next day, then observe the results



Observations, Data Collection & Analysis

Write down your observations below.

1. Examine the flower structures closely. What do you notice about the stem? The petals? The leaves? Write your observations.

2. Draw a picture of the flower at the start of the experiment and make a prediction as to what you think will happen!

3. Draw a picture or take photos at the middle and end of the experiment. What changes do you notice?

4. What do you think caused this change?

5. What forces do you think are causing this to occur?

6. At the end of the experiment, closely examine the bottom of the stem again. Use a hand lens to look closer. What do you see?
Does this help to explain what happened to the flower?
