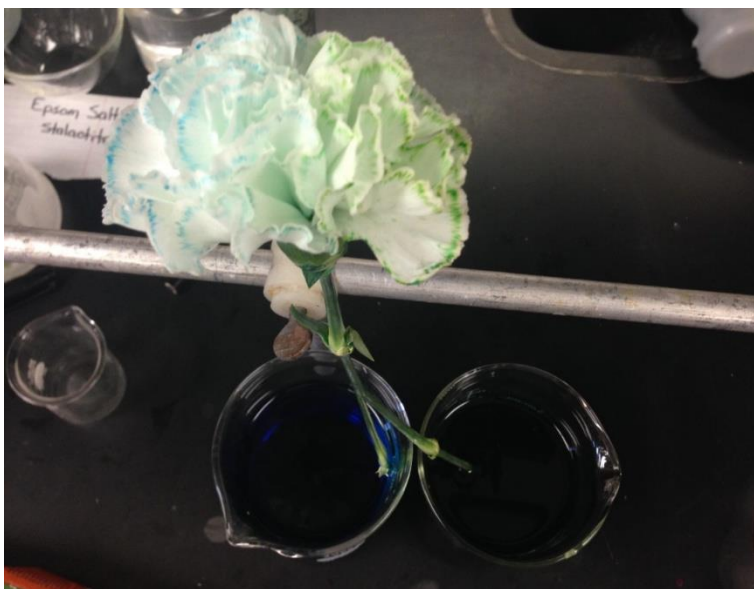




California State University of Bakersfield, Department of Chemistry

Colorful Carnations



Standard:

LS1.A: Structure and Function: All organisms have external parts. Different animals use their body parts in different ways to see, hear, grasp objects, protect themselves, move from place to place, and seek, find, and take in food, water and air. Plants also have different parts (roots, stems, leaves, flowers, fruits) that help them survive and grow.

4-ESS3-1: Cause and effect relationships are routinely identified and used to explain change.

Introduction:

Have you ever wanted a multicolored flower where you can choose the colors? In this experiment you will learn the structure of plants and learn how water is absorbed. By adding food coloring, you will see that water travels through the roots, up the stem, and is absorbed through the petals. By the end of the experiment you will see the change in color of the flower petals.

Materials:

- White Carnations
- Two 500ml beakers
- Water
- Food coloring

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