

Presented by

BASF
We create chemistry

WHAT YOU WILL NEED:

- 6 Geraniums
- 2 Cardboard Boxes
- Water
- Measuring Cup
- Camera

Overview and Objective

Have you ever seen a plant grow crooked rather than straight up or down? That might be because it was experiencing phototropism. This is where a plant or organism responds to the source of light and either grows towards it (positive phototropism) or away from it (negative phototropism).

In this experiment we will be testing phototropism by taking six geraniums and growing them in three different light environments.

Process:

1. Place two of the geranium plants in a box that only allows light to enter on one side.
2. Place two of the geranium plants in a location where they are completely exposed to sunlight.
3. Place the remaining two geranium plants under a box that does not allow any light to enter.
4. Water each plant with the exact same amount of water for 15 days, watering every two days.

Our results



One-side with light



Complete light exposure



No light



What have you found? Share your results with us!

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