



What you will need:

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



Phototropism

Overview and Objective

Plants produce their own food through photosynthesis. Plants trap the sunlight and produce carbohydrates, sugars and starches, which it converts to energy. It seems logical to assume that if we add sugar when we water, we would increase the growth of the plant.

However, too much sugar can actually cause reverse osmosis to occur, making the plant to lose water and eventually die. Let's see how it works with this experiment!

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

Share Your Results With Us!

www.Facebook.com/abc11scienceclub

www.abc11.com/scienceclub