

Colourful Flowers

Science Experiment



Aim: To see the effects of water absorption in flowers.

Method

1. Cut the flowers to have short stems (the shorter the stem, the quicker the results will be seen). It is best to cut the stems on an angle to give a greater surface area for the coloured water to enter through.
2. Add water and a generous amount of food dye to each vase.
3. Place a flower in each vase.
4. Observe the flower every half an hour or so. In about 30 minutes, some colour will start to show in the petals.

You will need:

white flowers with stems
water
coloured food dyes
short vases or glasses

Teacher tip:

This process is called 'capillary action' and it is when the plant sucks water up through its stem to feed their cells and make them grow. Because the water is coloured, the petals of the flower end up coloured too.

Coloured Flowers Daily Observation Chart

Start

After 30 Minutes

After 60 Minutes