



## PLANTS USE OSMOSIS TO DRINK WATER

### List of Materials:

Water, food colouring, white flowers (crocuses, roses and gerberas worked best for us), scissors\*



### Step 1:

Fill a glass of water with 5 drops of food colouring.



### Step 2:

Take the stem of your flower and cut off the end of the stem.



### Step 3:

Carefully slice the stem at the end to aid the water uptake.



### Step 4:

Place the flower into the coloured water and observe how it slowly changes the colour due to the uptake of dyed water.



Version pro:  
Repeat step 1 and 2

### Step 3:

Cut the stem vertically in two about 5cm long.



### Step 4:

This time use two glasses and put colour to only one of them

### Step 5:

Place each end of the stem to one of the glasses. You can put your set up next to the wall to provide support to the stem. Observe how only one side of petals changes the colour.



\*Ask your parents for help