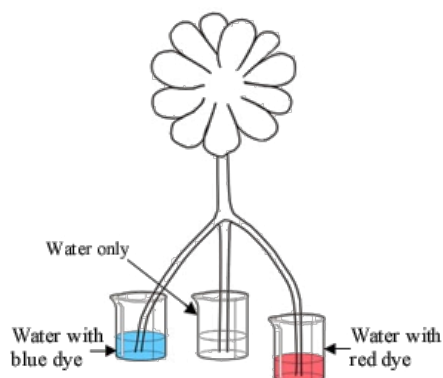


# Shasta daisy and dye

This task is about conducting an investigation, and making and explaining observations.

## How to do this task:

1. The flower you have been given is a shasta daisy.
2. Split the bottom third of the stem lengthwise into three sections.
3. Place one section of the stem in a 100 mL beaker half full of water.
4. Place another section of the stem in a 100 mL beaker half full of water plus 2 drops of red food colouring.
5. Place the third section of the stem in a 100 mL beaker half full of water plus 2 drops of blue food colouring.
6. Leave this set-up for 24 hours. (See diagram below.)



### Plant Notes

#### Xylem:

These plant cells transport water from the roots to the rest of the plant.

#### Transpiration:

Transpiration is a process where water is lost from the plant through leaves and flowers etc.

a) Write down all your observations.

**transpiration    xylem    diffusion    water movement**

b) Explain your results in a scientific manner, the words above might help you.



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