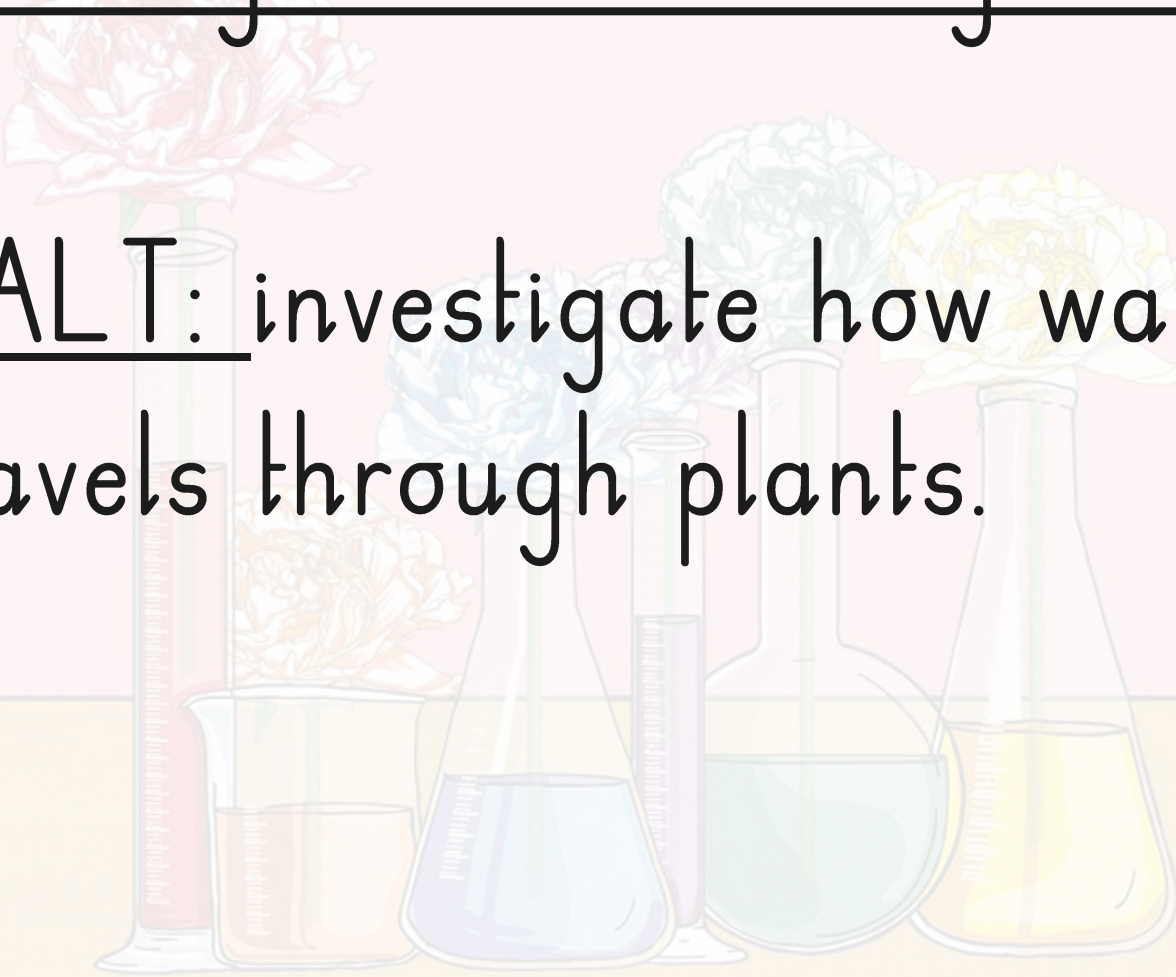


Monday 22nd February 2021

WALT: investigate how water travels through plants.



Water Transportation

The process of water transportation is the way water moves through a plant.

The roots absorb water from the soil.

The stem transports water to the leaves.

Water evaporates from the leaves.

This evaporation causes more water to be sucked up the stem.

The water is sucked up the stem like water being sucked up through a straw.

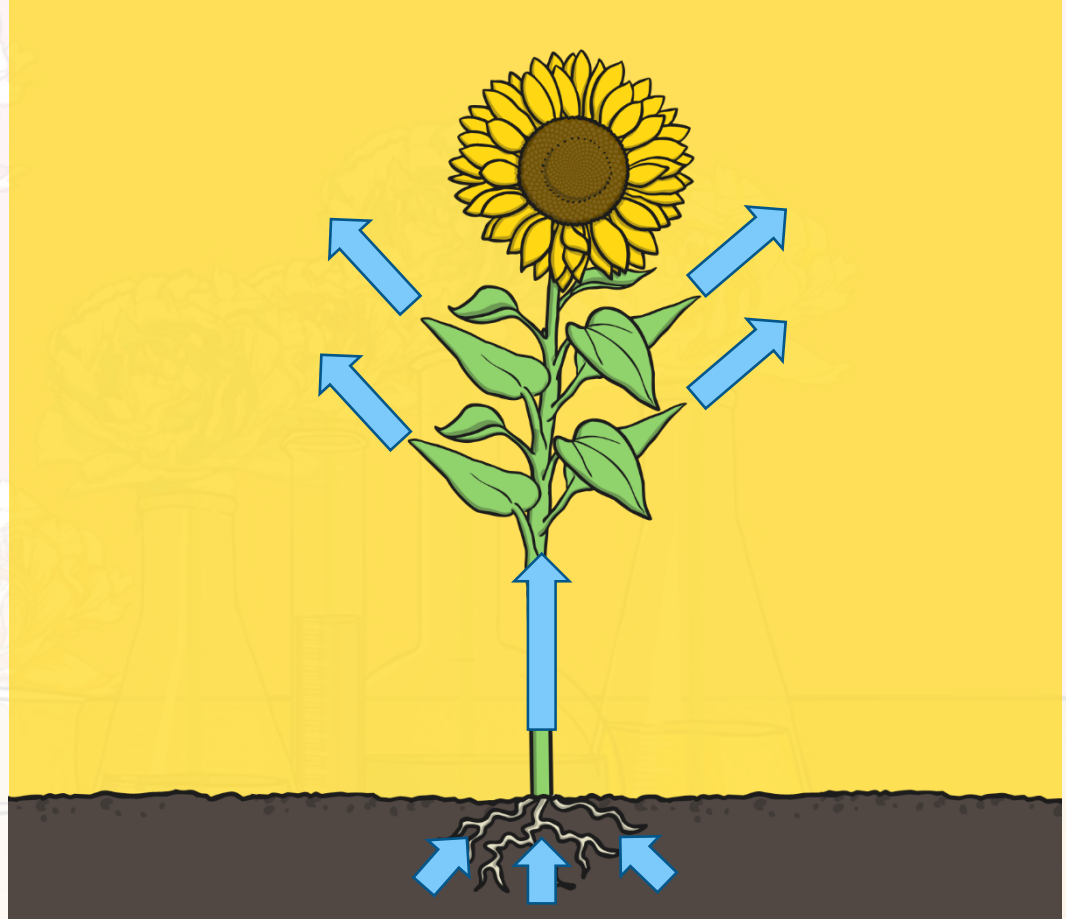


Water Transportation



Can you explain
the process of
water moving
through the plant
to your partner?

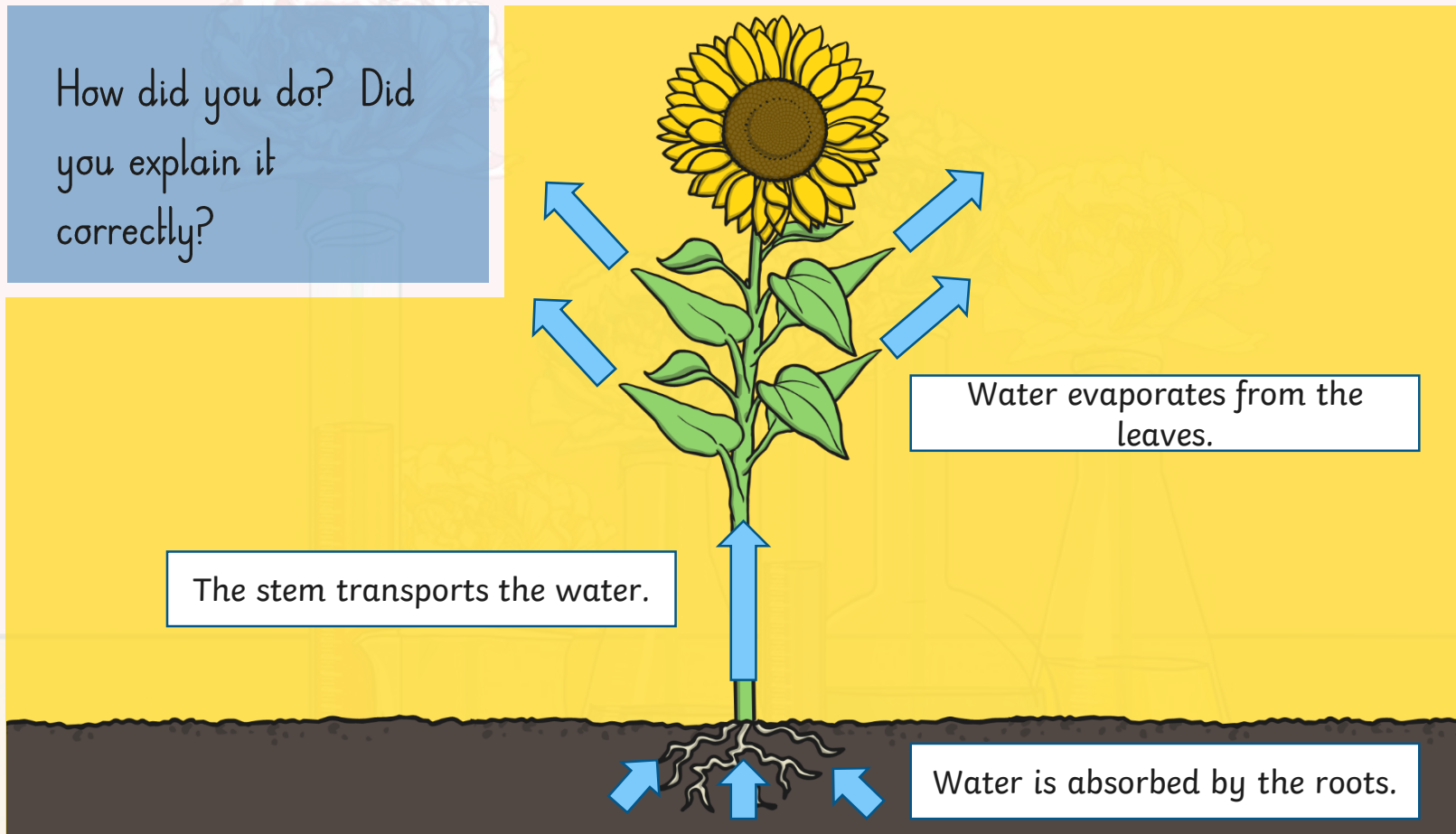
Use this diagram to
help!



Water Transportation



How did you do? Did you explain it correctly?



Transportation Investigation



Scientists carry out investigations to find things out and answer questions.

There are lots of different ways to find things out, such as fair tests, exploring and observing, finding patterns or sorting and classifying.

You are going to carry out how water moves through plants.

White Flower Science Experiment

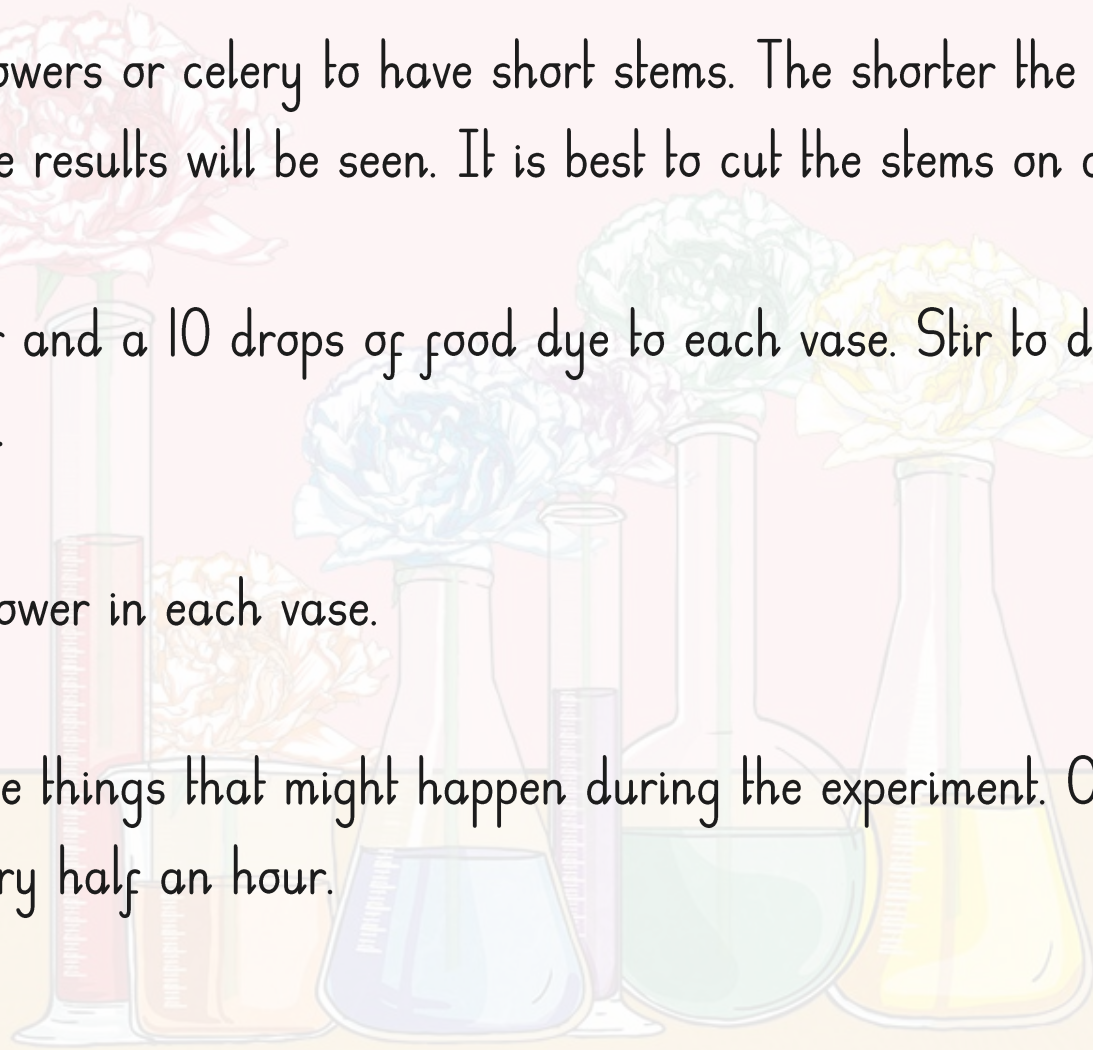
You Will Need:

- Four white flowers with stems
- Water
- Coloured food dyes
- Four jars
- Scissors
- Spoon



Method

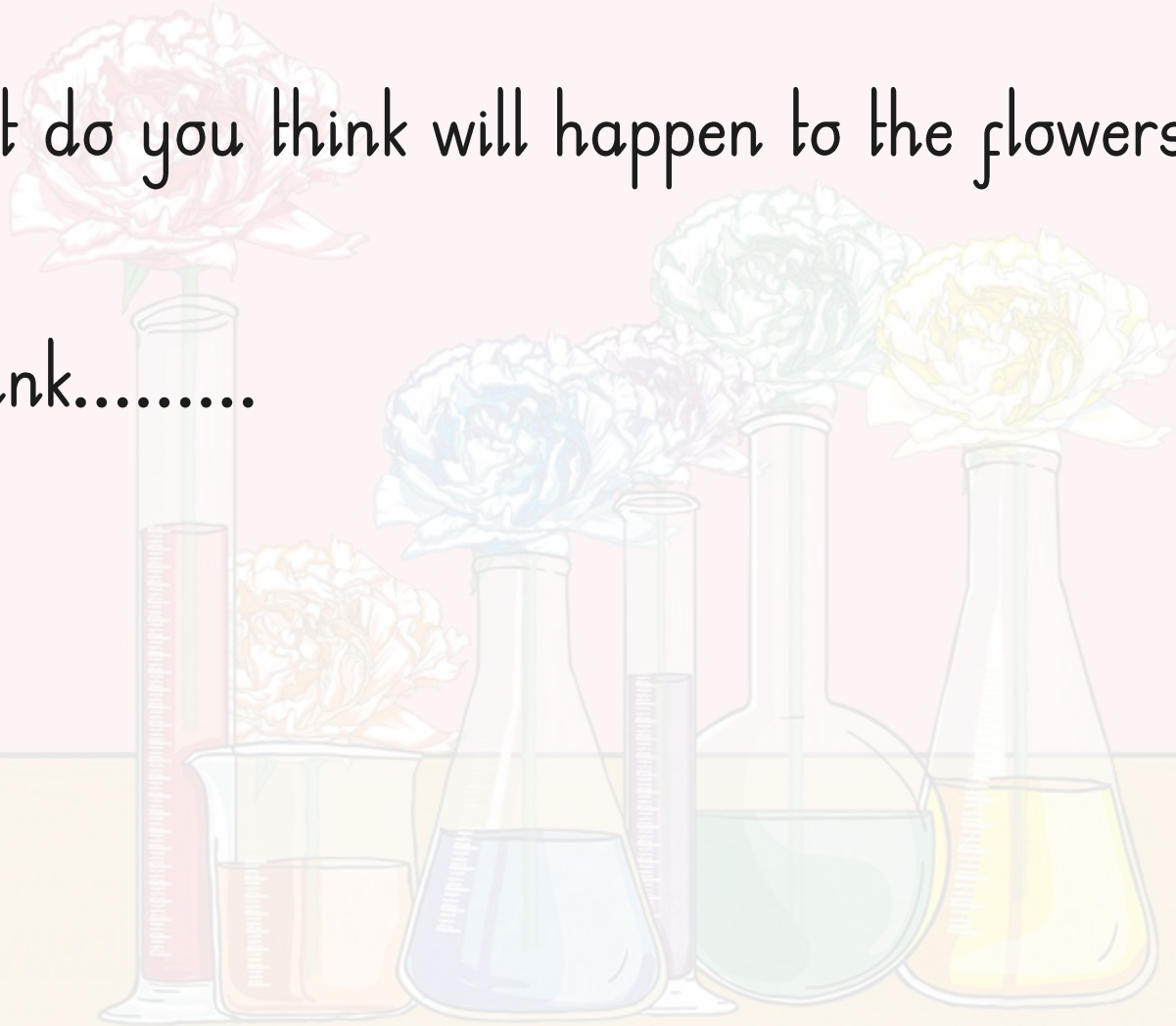
1. Cut the flowers or celery to have short stems. The shorter the stem, the quicker the results will be seen. It is best to cut the stems on an angle.
2. Add water and a 10 drops of food dye to each vase. Stir to distribute the colour.
3. Place a flower in each vase.
4. Discuss the things that might happen during the experiment. Observe the flower every half an hour.



Predictions

What do you think will happen to the flowers?

I think.....



Fair Test

In investigations, it is very important that you are carrying out a fair test. This is to ensure that your results are accurate.

In a fair test, you should try and keep most things the same.

What do we need to keep the same in our experiment?

Observations

What did you notice after 30 minutes?

Use your senses!

Look at...

...the petals or leaves of the plant.
...the base of the stem or stalk.

Smell...

...the flowers or celery.

Touch...

...gently feel the flowers or leaves of the plant.