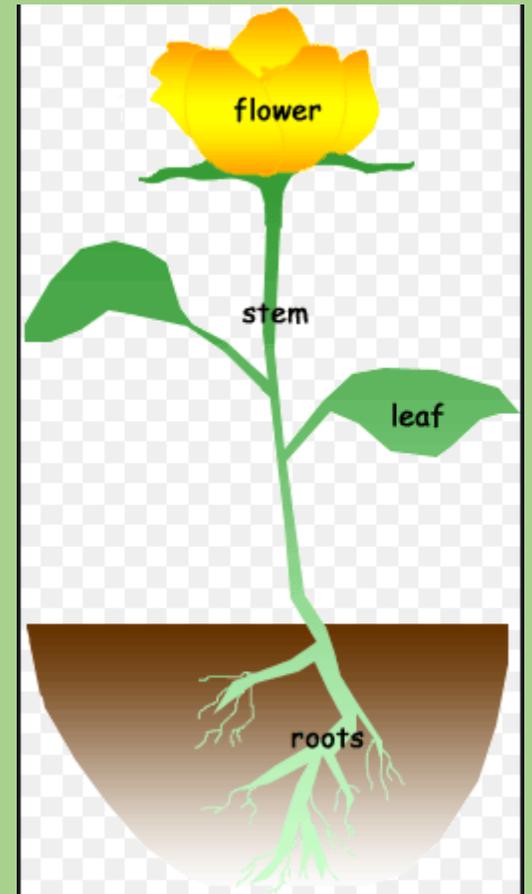


Plants

Monday – setting up experiments



Experiment 1

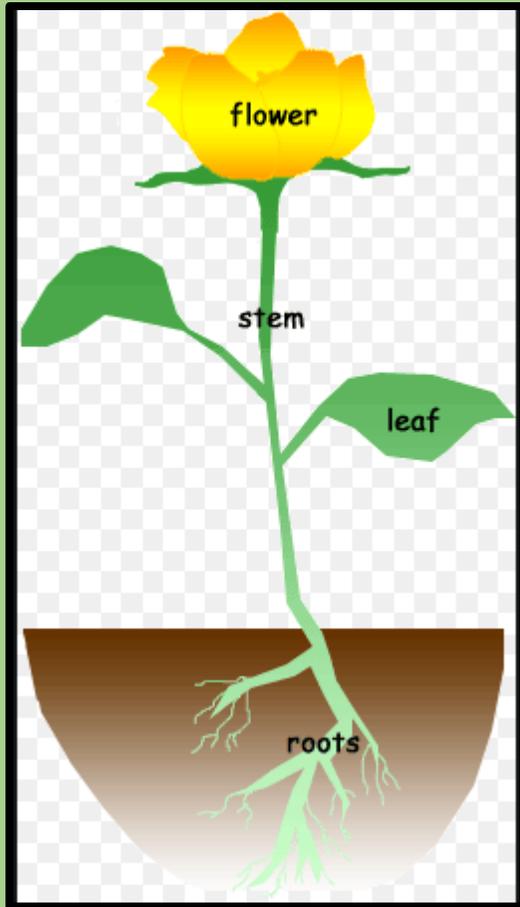
Why are plant stems important?
How do plants absorb water?



LET'S EXPERIMENT



What can you remember from Y2?



The stem **supports** the rest of the plant.

It **transports** water and nutrients around the plant.

To see how a stem transports water and nutrients



Celery And Food Coloring
Science Experiment

- Half fill a cup with cold water
- Add 4 drops of food colouring (red or blue is best)
- Stand a stem of celery into the cup
- Leave the cup (somewhere it won't get knocked over)

NB - you can also do this with a white flower.

We need to make a PREDICTION.



What do you think will happen and
WHY?

I think that...

I predict that...

Experiment 2

What do plants need to grow?



LET'S EXPERIMENT

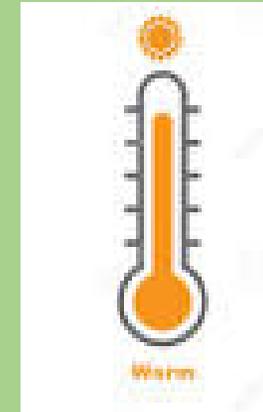
What do plants need to grow?

Let's find out and explain why



Zara predicts that plants need:

Water
Light
Warmth



L.O: To understand what plants need to grow

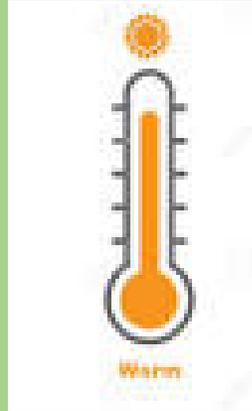


Place 2 of your plants in the same place.

Over the next week, do not give one of the plants any water.

Make sure the other plant has moist soil.

We will keep the plants the same type, the environment the same. We will change the amount of water



Place 1 of your plants inside in a warm room. Place the other plant somewhere cooler (you could stand it on an ice pack)

Over the next week, give the plants exactly the same amount of water.

We will keep the plants the same type, the amount of water the same. We will change how much heat they get



Place 1 of your plants in a sunny spot in the house. Place the other plant in a dark cupboard

Over the next week, give the plants exactly the same amount of water.

We will keep the plants the same type, the amount of water the same. We will change how much light they get.

L.O: To understand what plants need to grow

- For each experiment, which plants do you think will be most healthy?

Experiment 3

L.O: To understand why plants need leaves.

- Carefully snip all the leaves off one of your plants.
- Leave all the leaves on the second plant.
- Leave both plants in the same place and give them both the same amount of water so that our test is fair. The only thing we are changing is the amount of leaves the plant has.
- What do you predict will happen?