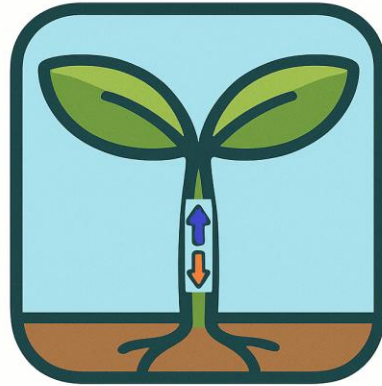




PlantsPort

<https://apps.apple.com/us/app/plantsport/id6755181140>

PlantsPort Manual

 Print AR Markers

Sign In

Connected to the server. Please sign int.

Username

Password

Sign In

Guest Access 

 **Sign in with
username and
password**

 **Do Not sign in
as guest**

Dashboard Sign In

Welcome to
Classroom App Telemetry System 2.0

Logged in as Esther Mak

My Control Panel

My Students

You have 0 students.

My Classes

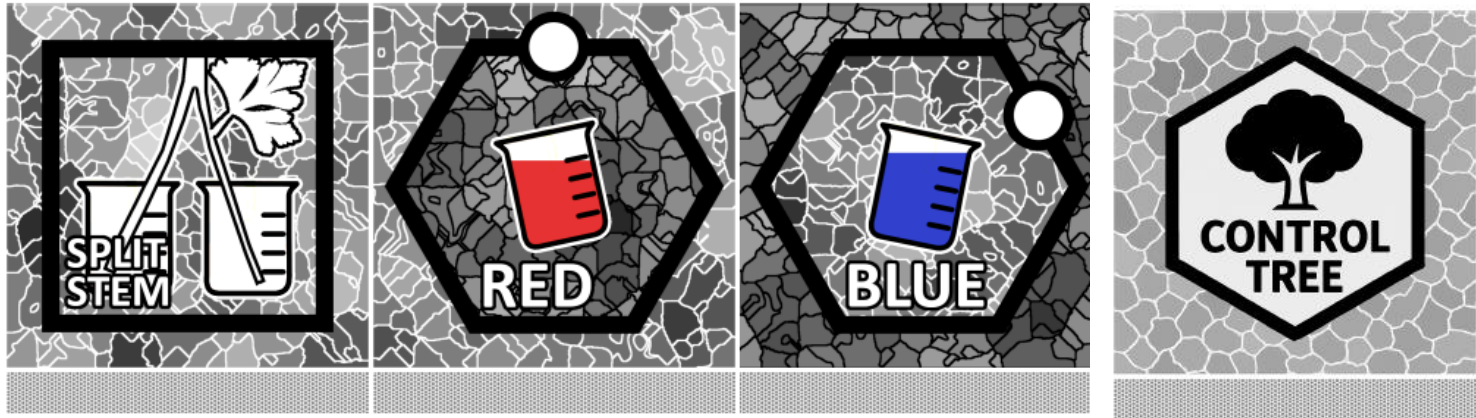
You have 2 classes.

[View/Share Classes](#)

[Sign Out](#)

- Log-in Link: sshrf.space/cats/
- Login to the dashboard at the start of the lesson.
- Teachers need to log in before students log in.

PlantsPort Markers





Water Carrying
Tubes



Food Carrying
Tubes



Case File

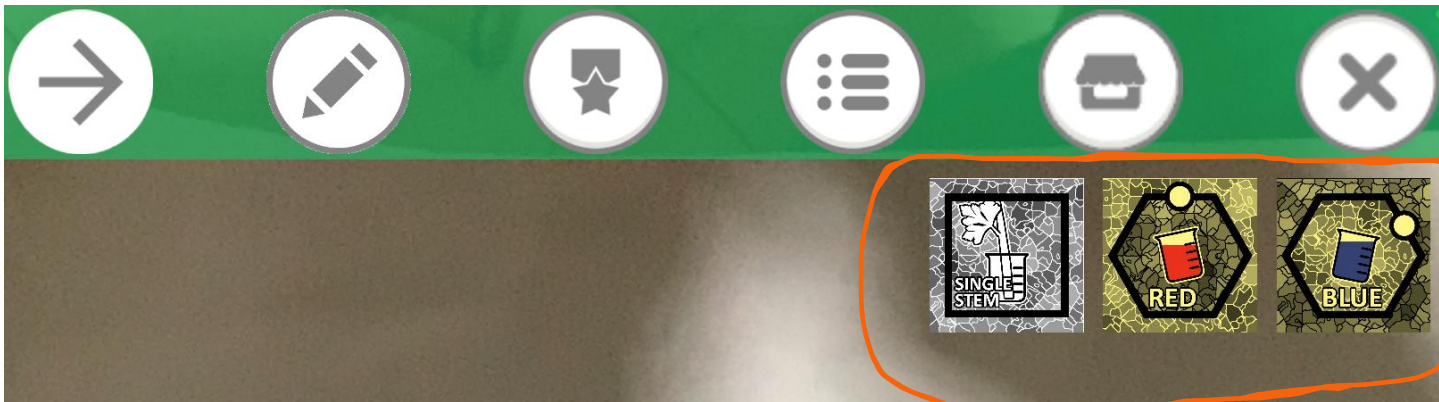


Creation

PlantsPort

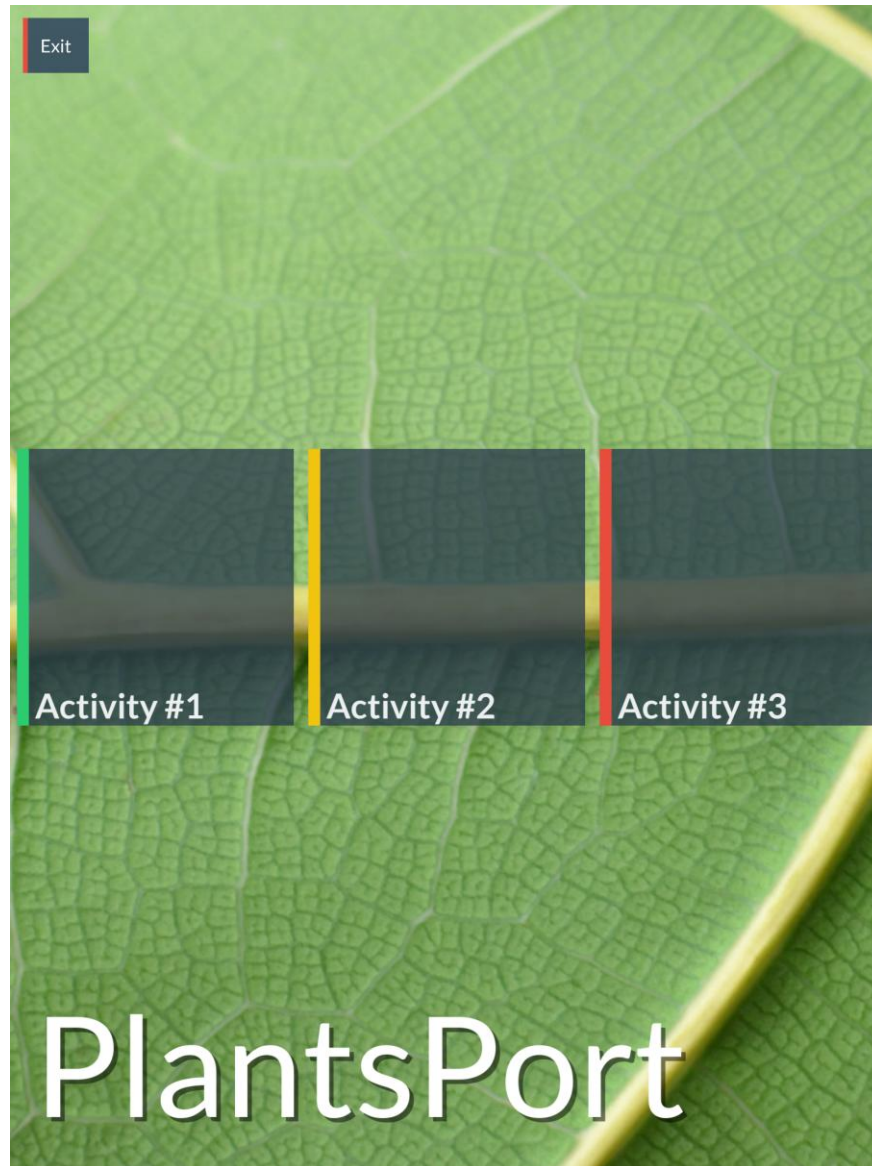
Main Menu

PlantsPort Control Buttons

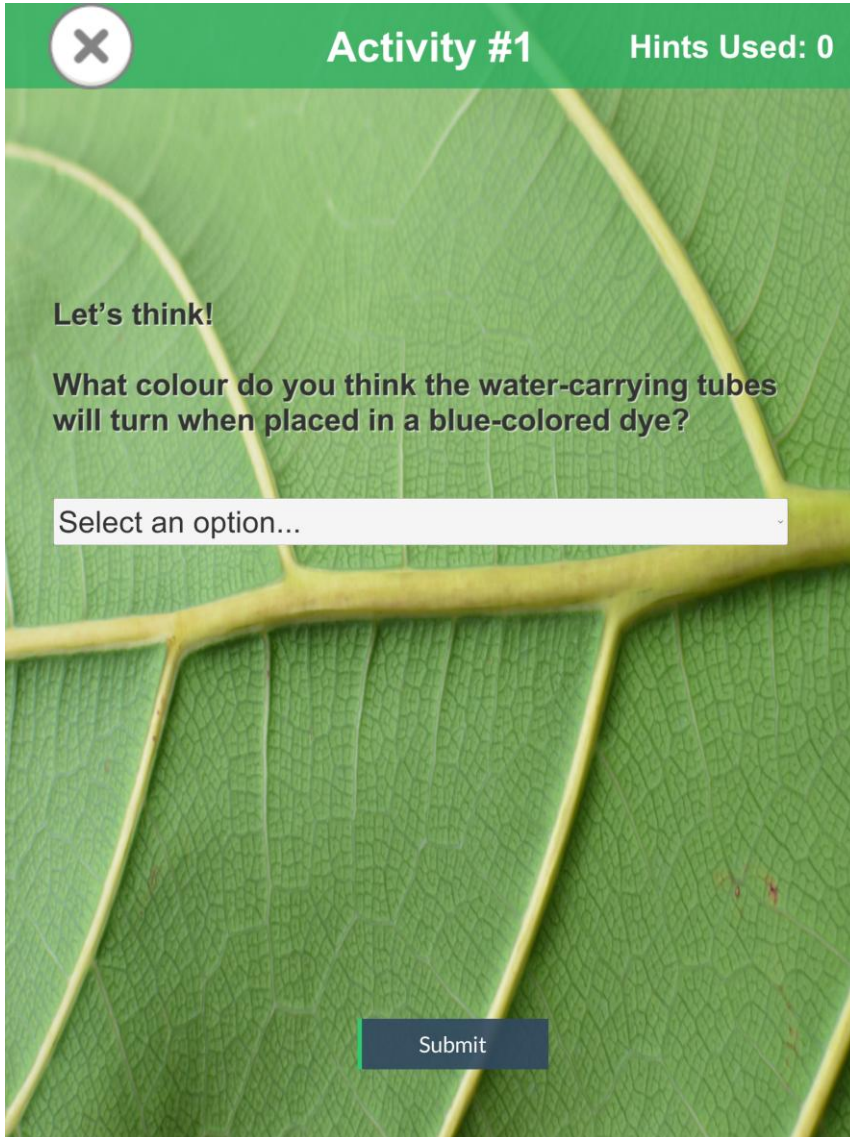


- List of Required markers will be shown here at the top
- Required markers will blink

Water Carrying Tubes



Water Carrying Tubes- Activity 1

The screenshot shows a digital activity interface. At the top, there is a green header bar with a white 'X' icon in a circle on the left, the text 'Activity #1' in the center, and 'Hints Used: 0' on the right. The background of the interface is a close-up photograph of a green leaf with prominent yellow veins. The text 'Let's think!' is displayed in the upper left. Below it, a question is posed: 'What colour do you think the water-carrying tubes will turn when placed in a blue-colored dye?'. Underneath the question is a white text input field with the placeholder text 'Select an option...'. At the bottom center, there is a dark blue button with the word 'Submit' in white text.

Activity #1 Hints Used: 0

Let's think!

What colour do you think the water-carrying tubes will turn when placed in a blue-colored dye?

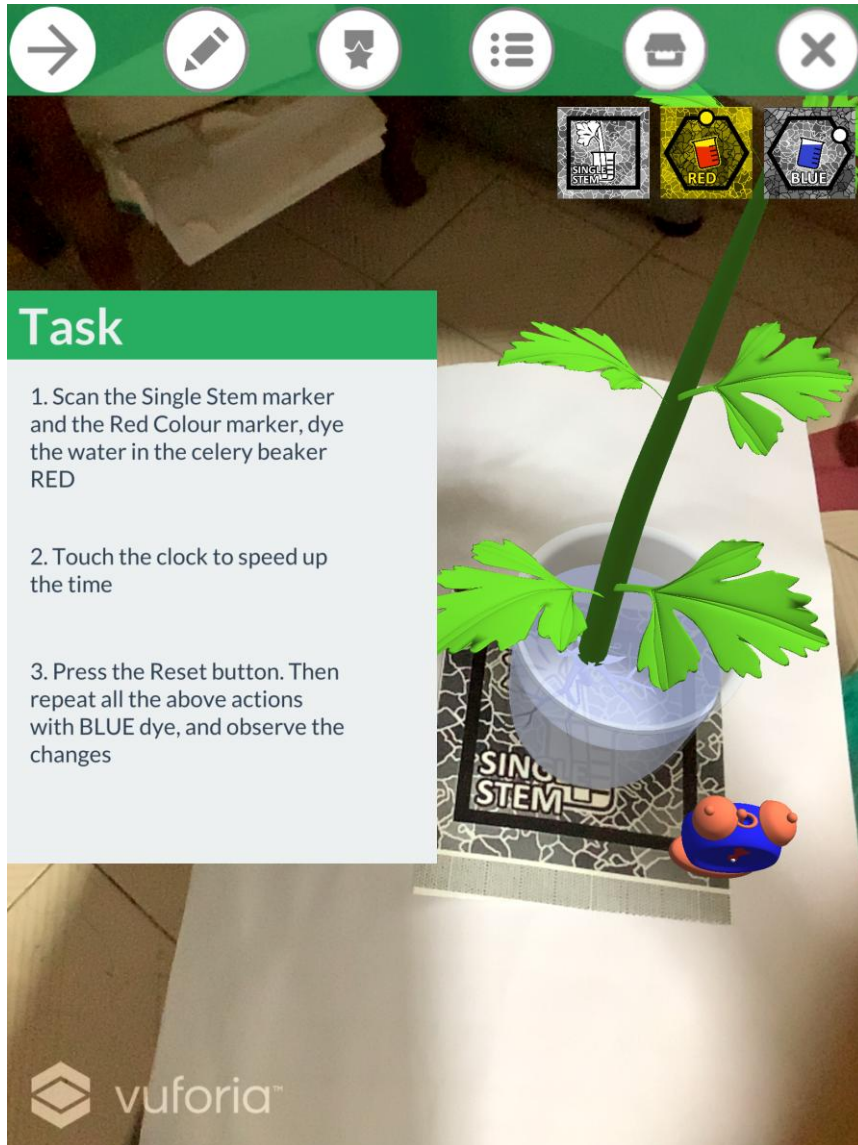
Select an option...

Submit

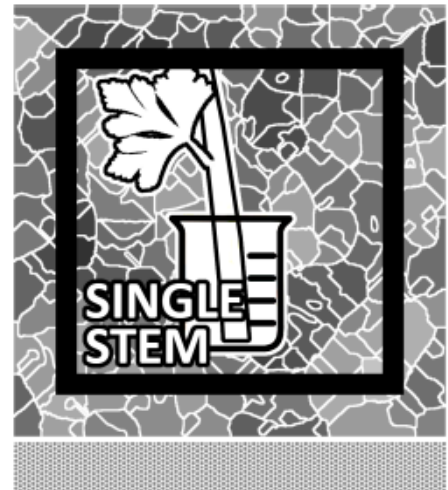
- Students are required to make a prediction before each activity
- After which, use the Edit Prediction button to enter or revise responses.



Water Carrying Tubes- Activity 1



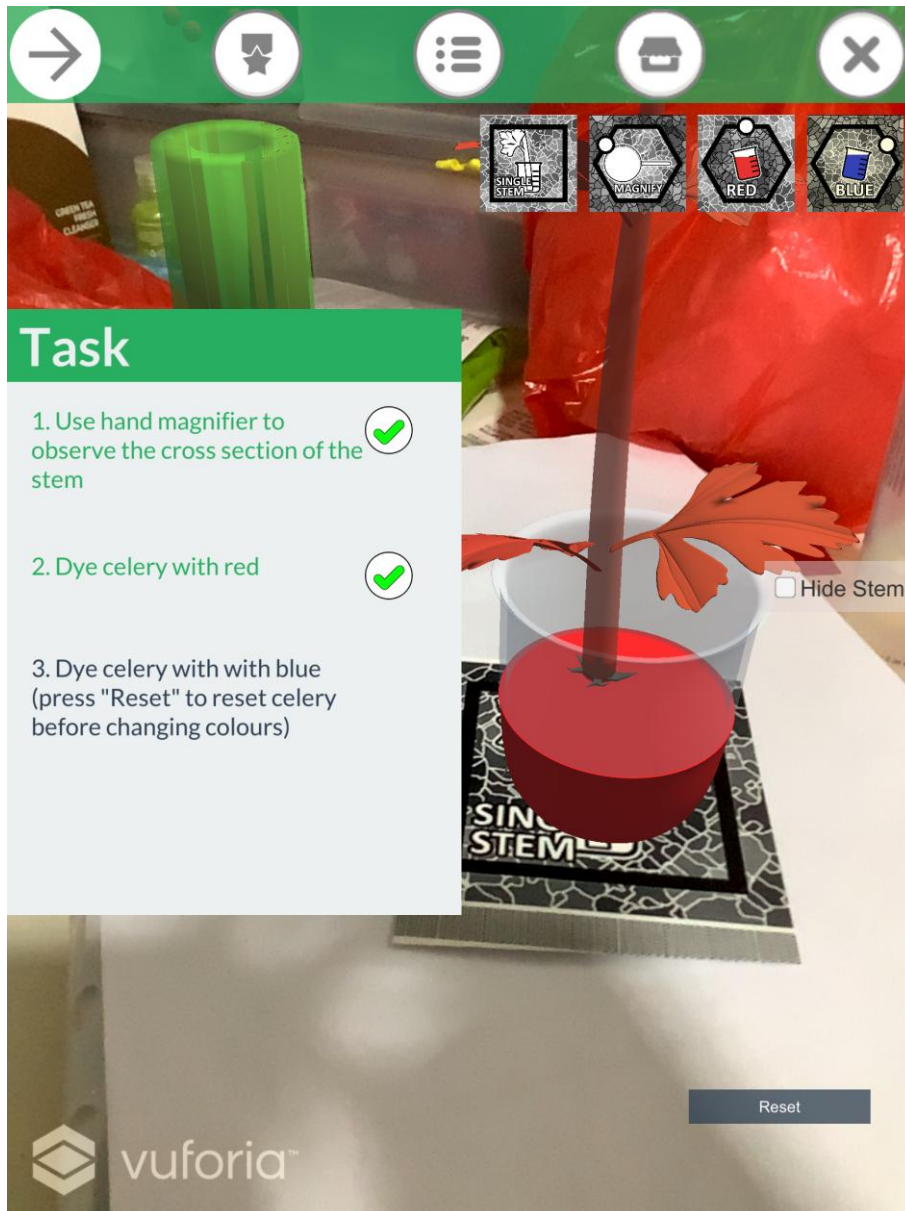
- ✓ Always place the **Single Stem marker** flat on the table.
- ✓ Follow the **task order** shown in the app.



✗ Skipping steps or changing the order of tasks may prevent the task from being recorded as completed.

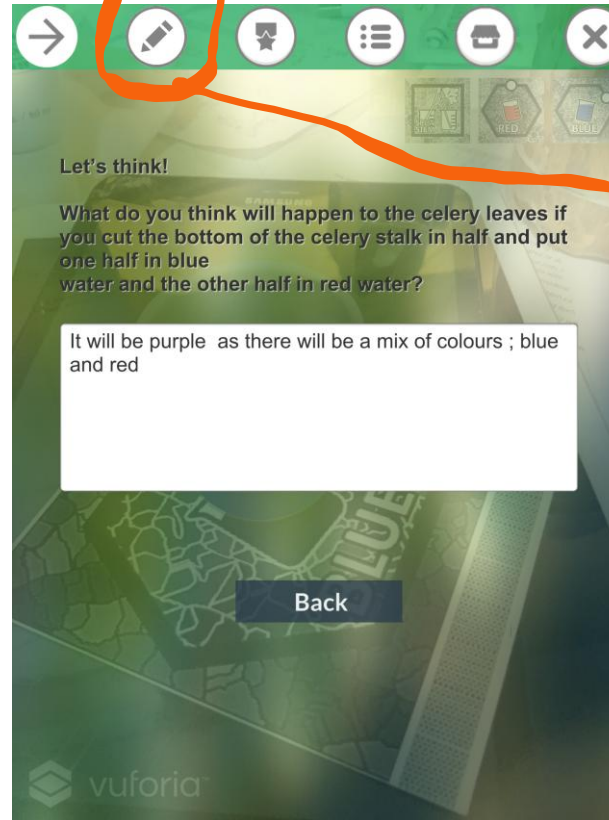
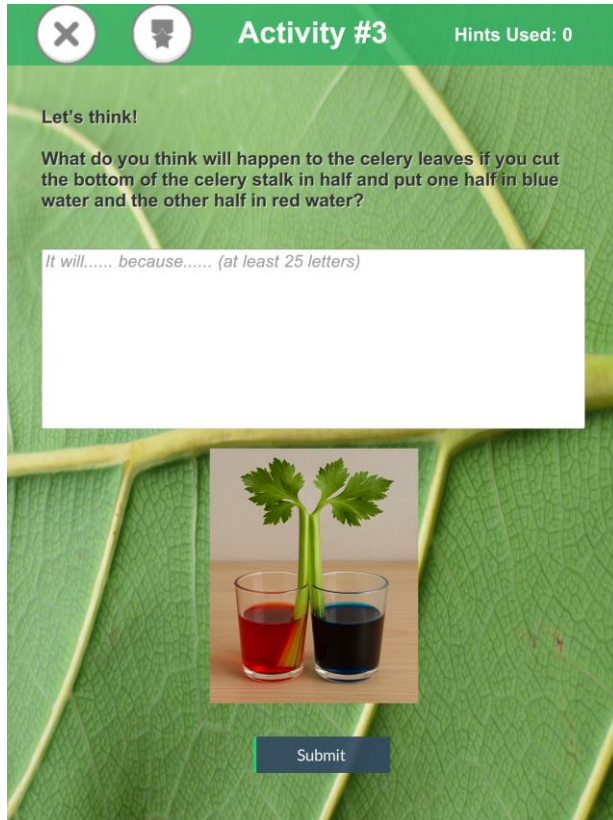
Reminder: The app relies on correct marker detection and sequence.

Water Carrying Tubes- Activity 2



- When the task is completed, it is marked by a tick 
- Click on the reset button to change colours of the dye

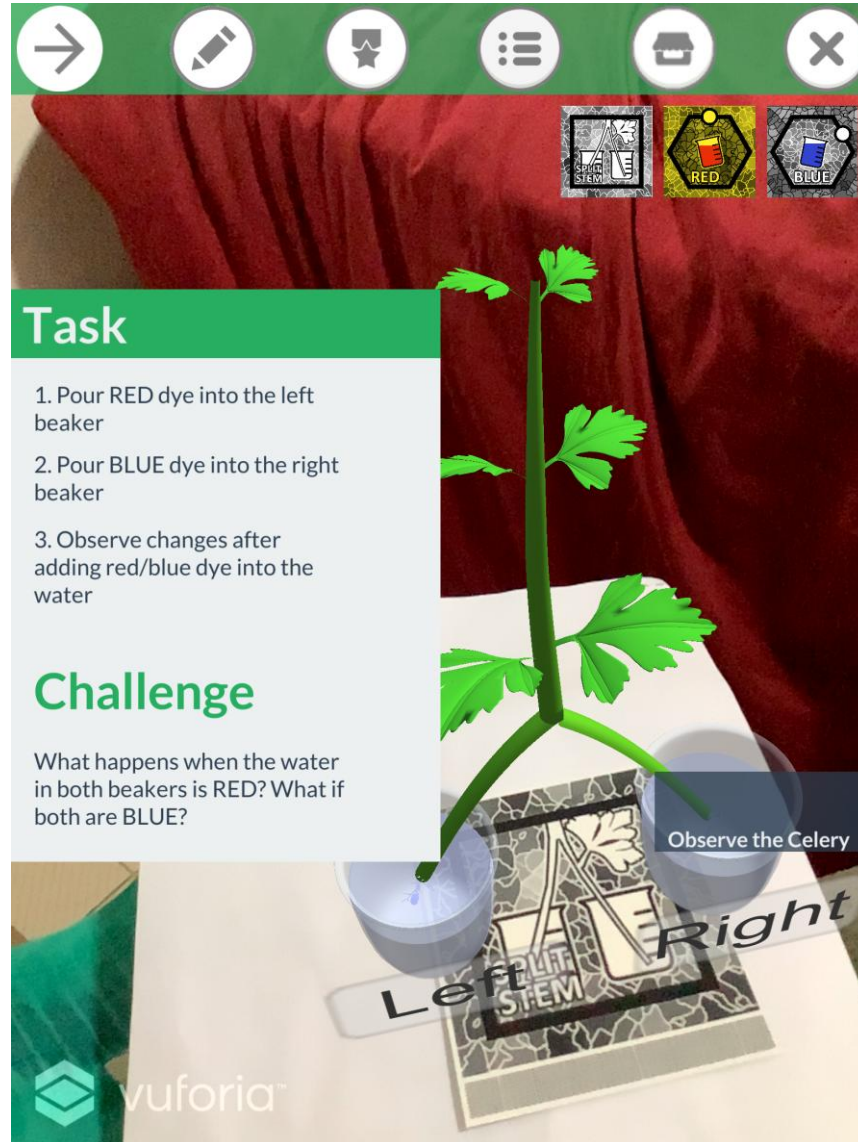
Water Carrying Tubes- Activity 3



Editing Predictions using the button



Water Carrying Tubes- Activity 3



Task

1. Pour RED dye into the left beaker
2. Pour BLUE dye into the right beaker
3. Observe changes after adding red/blue dye into the water

Challenge

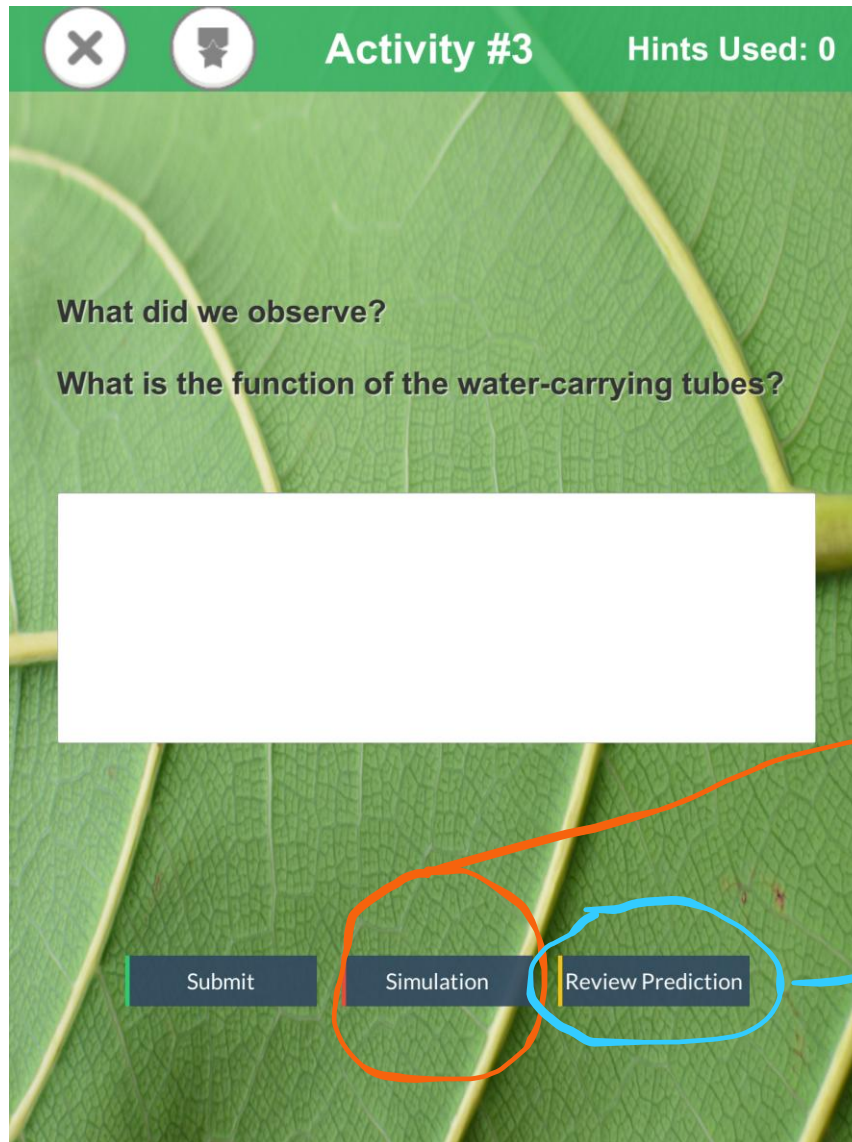
What happens when the water in both beakers is RED? What if both are BLUE?

Observe the Celery

Left STEM Right

vuforia

Water Carrying Tubes- Activity 3- Consolidation



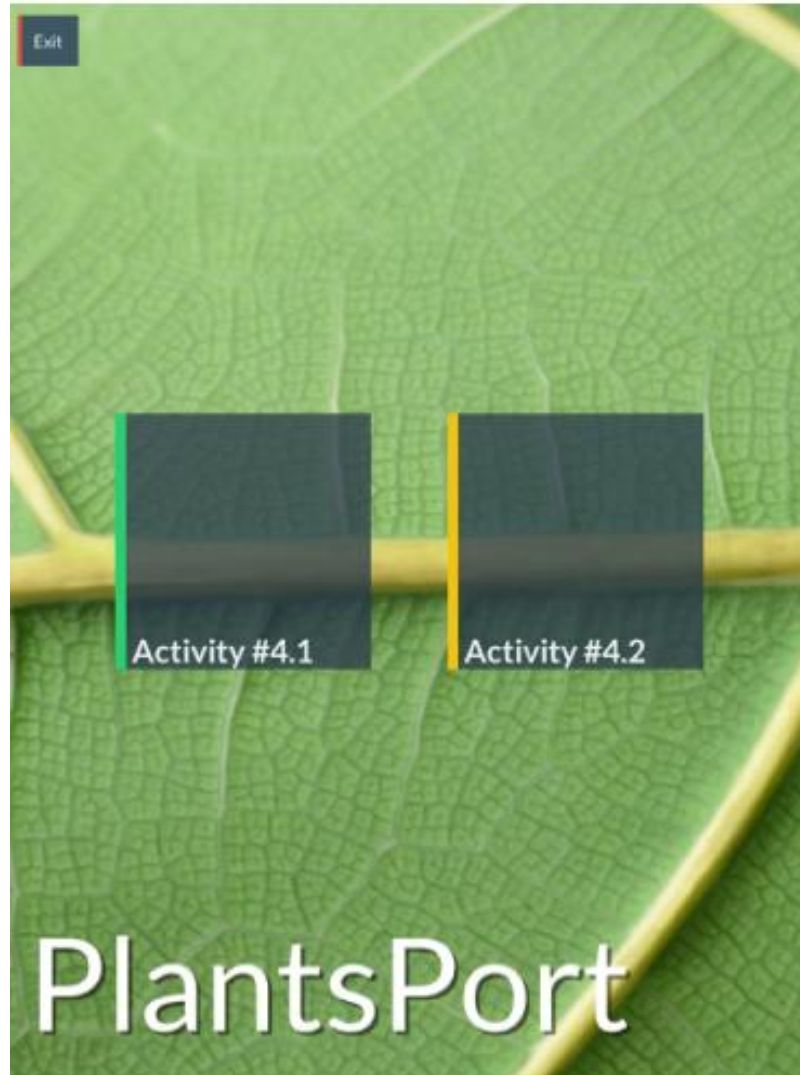
Simulation Button

Replay the interactive plant simulation to review water transport

Review Prediction Button

Compare your initial prediction with your current answer.

Food Carrying Tubes



Food Carrying Tubes #4.1

Activity #4.1Hints Used: 0

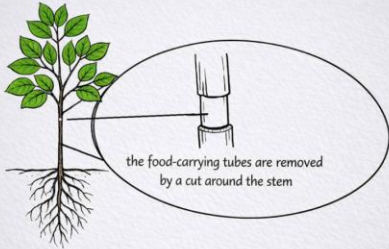
Let's think!

When the food-carrying tubes are removed by a cut around the stem, what do you think will happen to the plant?

Select an option...

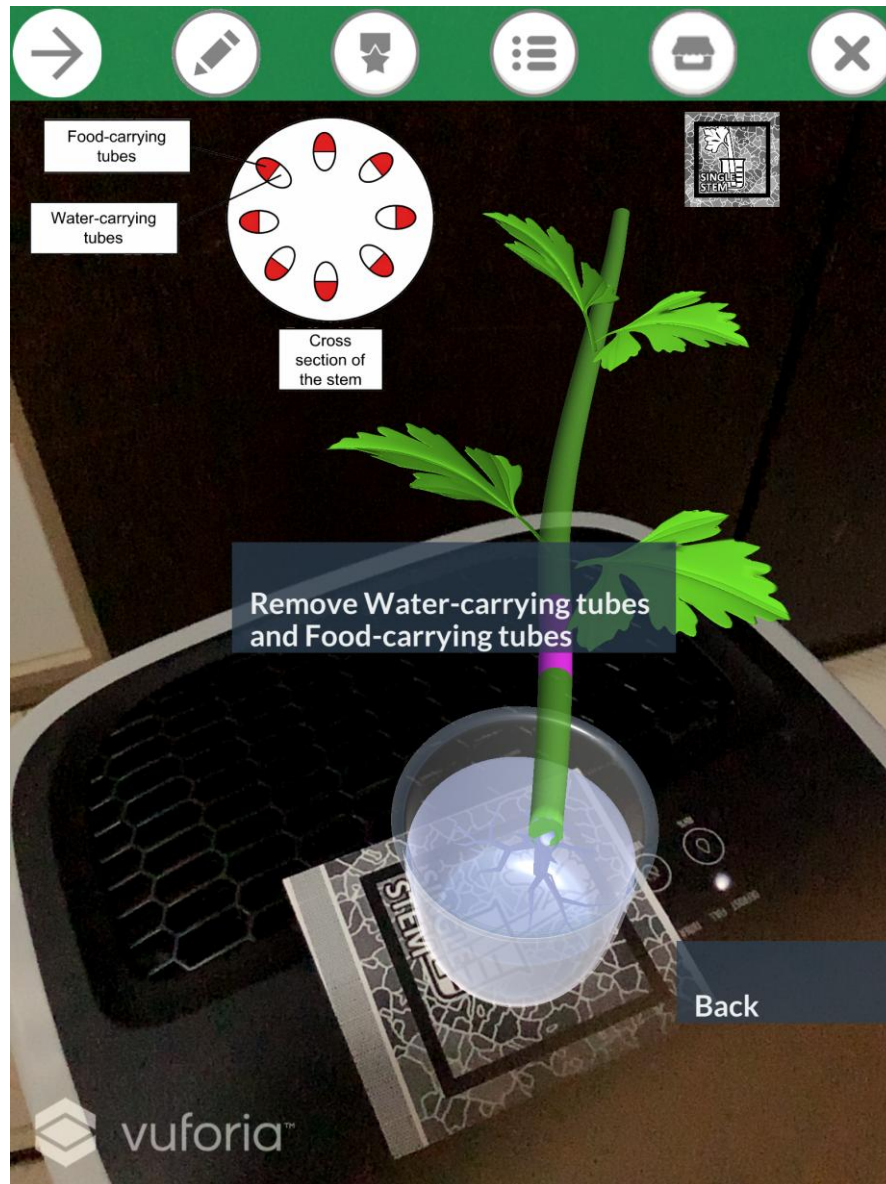
Why do you think this will happen?

It will..... because..... (at least 25 letters)



Submit

Food Carrying Tubes #4.1



Food Carrying Tubes #4.2

Activity #4.2Hints Used: 0

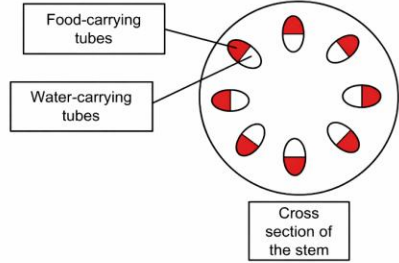
Let's think!

When both the food and water-carrying tubes are removed, what do you think will happen to the plant?

Select an option...

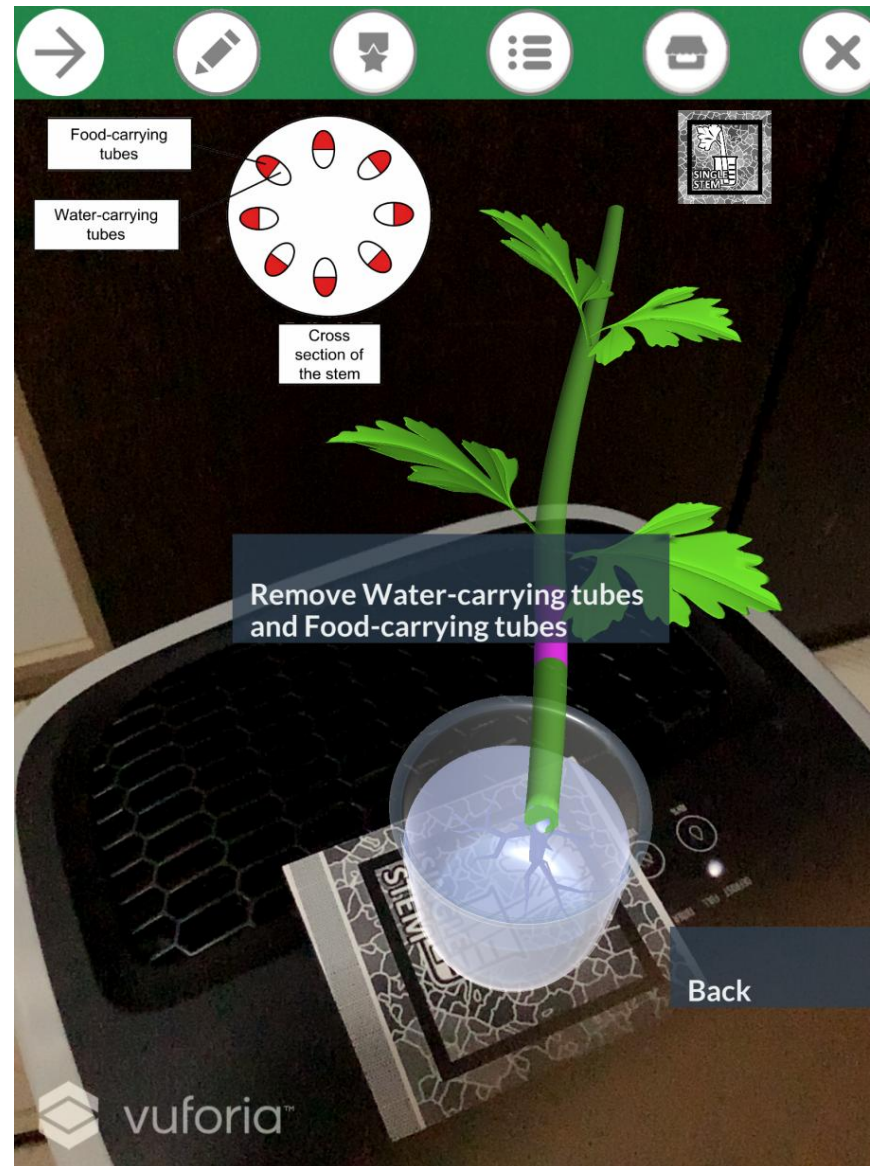
Why do you think this will happen?

D vv to tcycubibibonibuvttctccuxixycycugi octcovu vici o

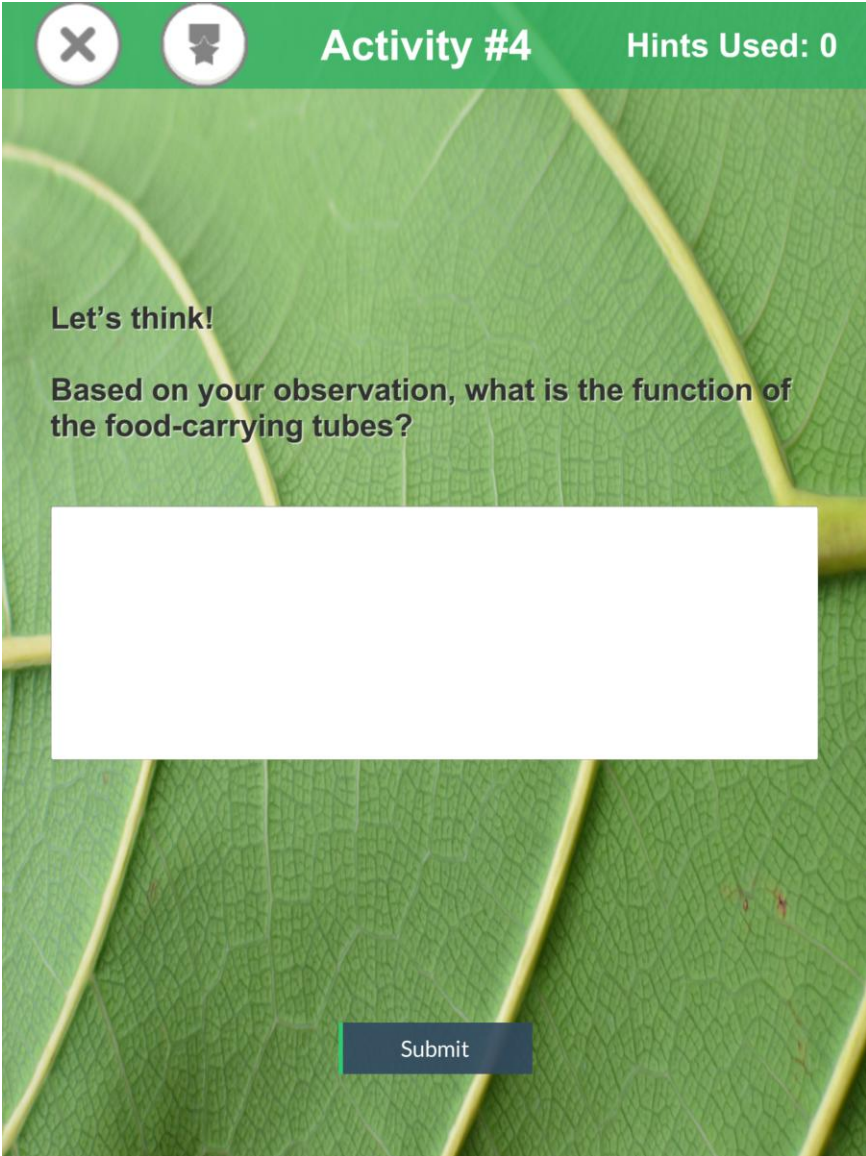


Submit

Food Carrying Tubes #4.2



Food Carrying Tubes #4.2



Activity #4 Hints Used: 0

Let's think!

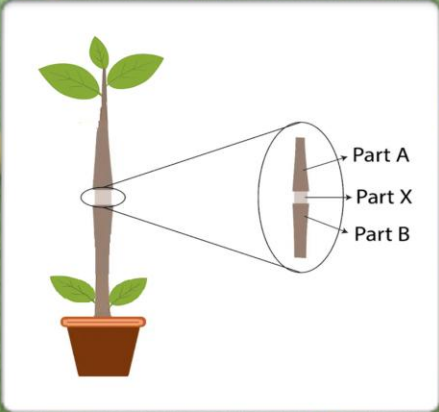
Based on your observation, what is the function of the food-carrying tubes?

Submit

Case File

 **Case File**

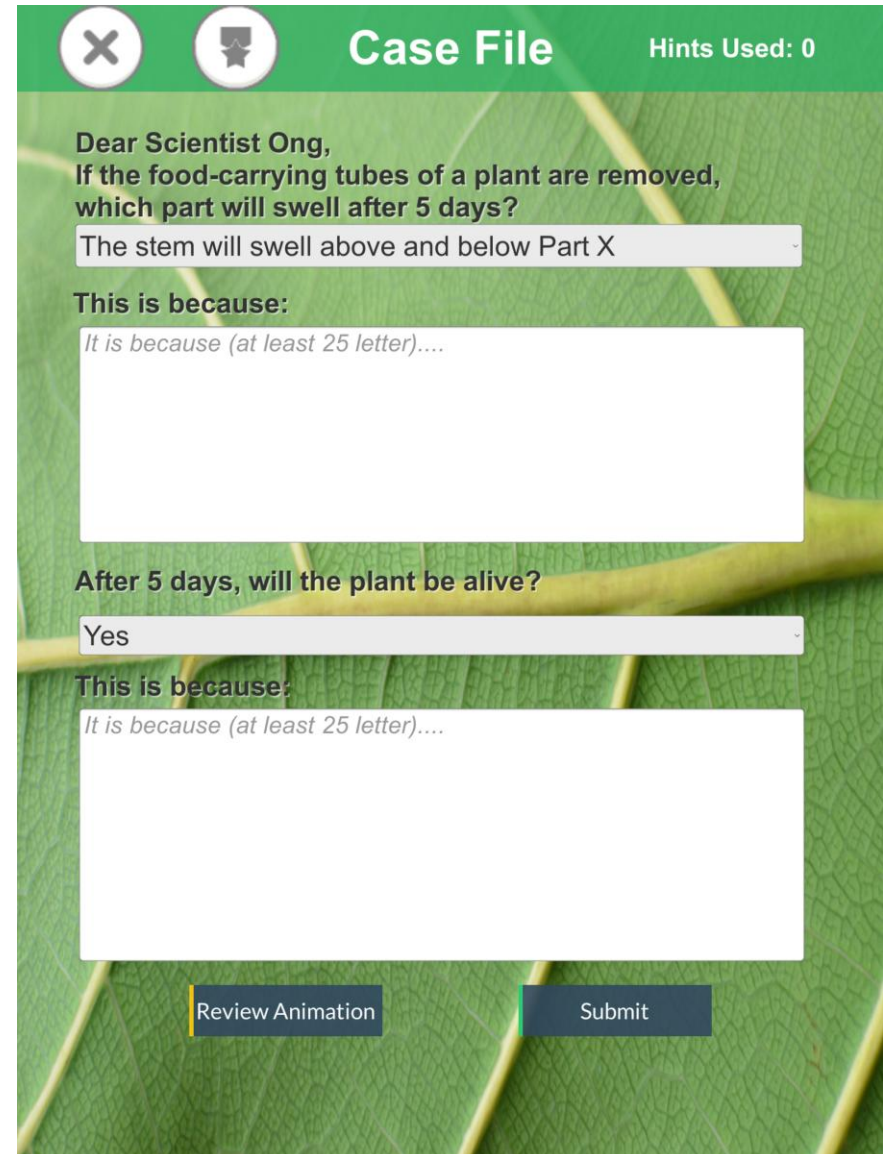
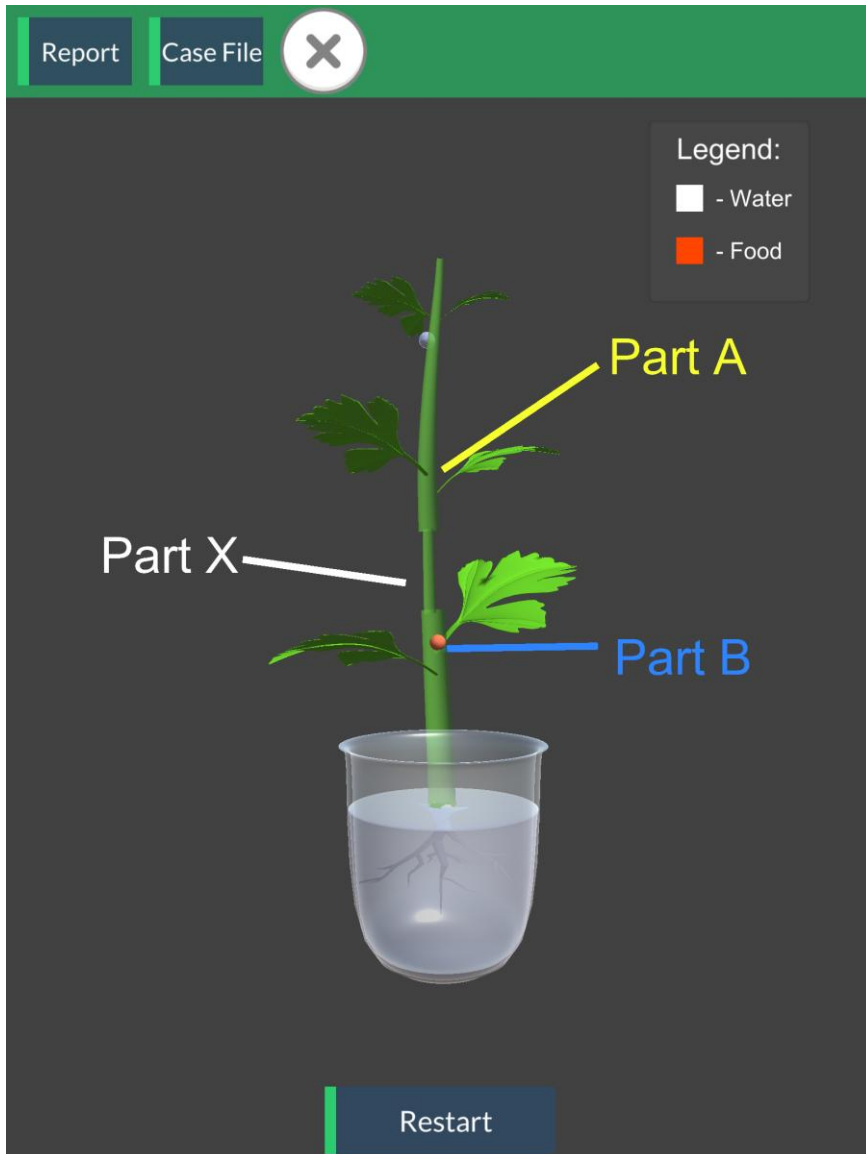
Scientist Ong removed the food-carrying tubes at Part X. He noticed that the stem started to swell at two areas. Help his team identify the cause of this swelling.



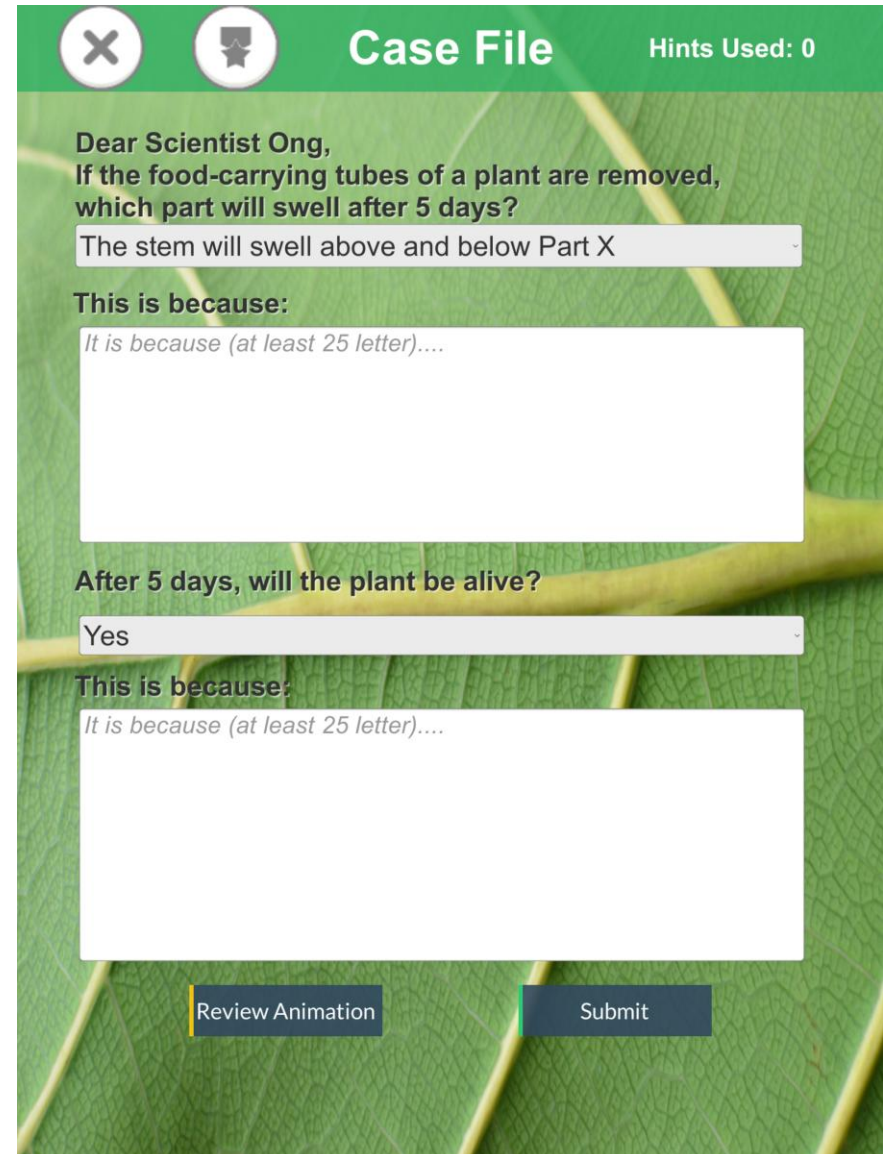
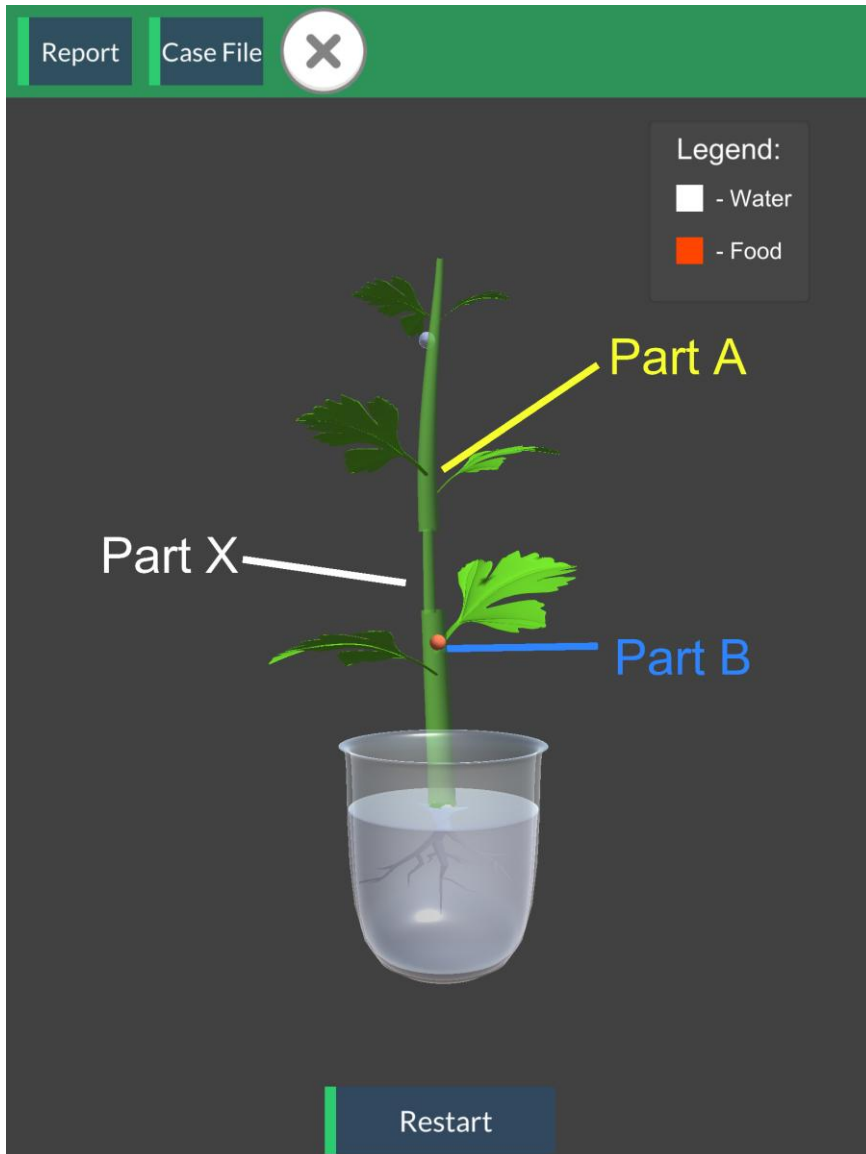
The diagram shows a potted plant with a brown stem and green leaves. A magnifying glass focuses on a section of the stem. This section is divided into three parts: Part A (top), Part X (middle, where a white band is shown), and Part B (bottom). The stem is shown swelling at the areas above and below Part X.

[View Simulation](#) [Skip to Report](#)

Case File



Case File



Creation



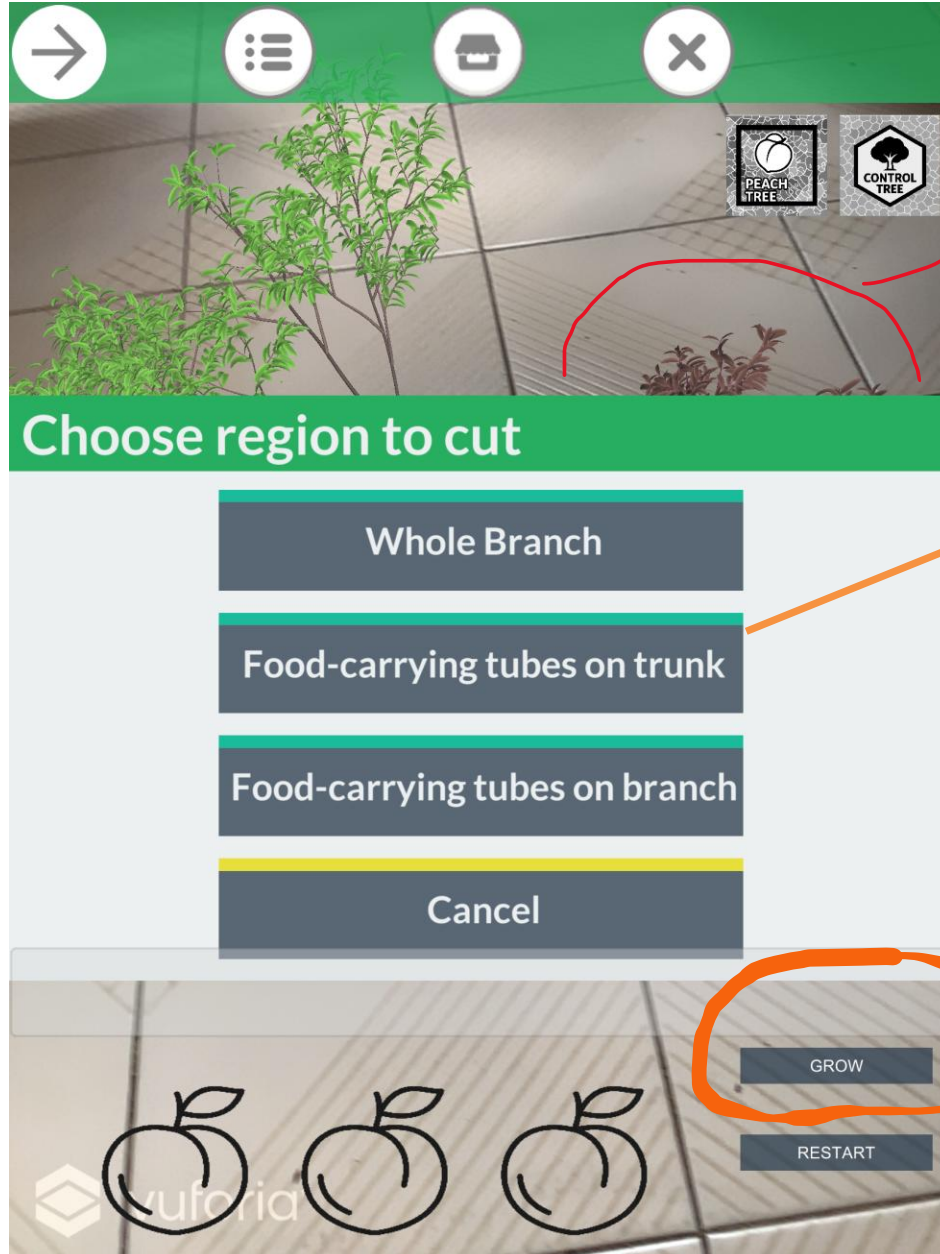
Creation

Scientist Ong's team is experimenting with ways to grow sweeter and bigger peaches.

Based on what you know, help Scientist Ong identify which part of the tree should be removed in order to grow bigger peaches.

[View Animation](#)

Creation



1. Click on the red leaves.
2. A menu for cutting different parts of the Plant will pop up
3. Click on the option you think will help the peaches grow bigger

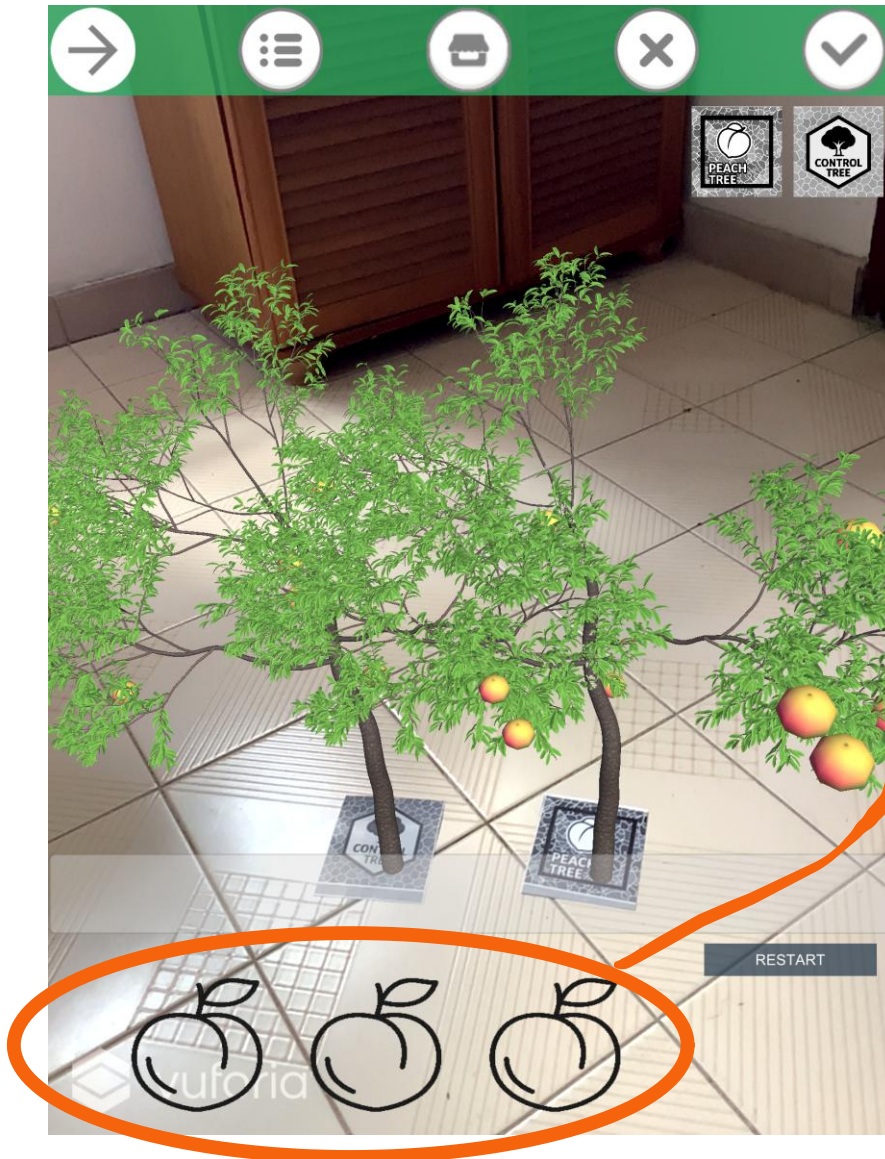
Remember: Cutting affects how food moves to the fruit

Grow the Tree

Test your decision by running the simulation.

Press the **GROW** button

Creation



Grow the Tree

Did the peaches grow bigger?
If not, press RESTART and
choose a different option.

The peaches will not be filled if
you choose the incorrect
option.

Creation



Collect Three Large Peaches

Can you collect three large peaches?

Check the weight of the peaches.