WATER ABSORPTION IN PLANTS

SUPERNOVA
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LEARN HOW PLANTS USE & DISTRIBUTE WATER!

MATERIALS

4

3 celery sticks
4 glass jars
1 pack of food colouring
Water (enough to fill jars 3/4 of the way)

30 MINS

PROCEDURE

Step 1
Set up 4 glass jars approximately ¾ of the way filled with water. Use food colouring to dye each jar of water a different colour.

Step 2
Cut one celery stick from the bottom about ¾ of the way to the top. Place the cut end into two separate jars.

Step 3
With the remaining two pieces of celery, place each into a jar of coloured water (don't cut these ones!). You should now have 3 pieces of celery distributed over 4 jars.

Step 4
Set the jars somewhere safe overnight. What do you expect to happen?

Step 5
Observe the results: the longer you leave the celery in the coloured water, the more vibrant the celery becomes!

LOOK AT THE BOTTOM OF THE CELERY STALKS TO SEE THE XYLEM (DARKER COLOUR)!

PURPOSE & SCIENCE OUTCOMES

- Like other plants, the celery has special tubes called xylem which move water and nutrients from the roots to stems and leaves.
- Celery is commonly used in this experiment because it has very large xylem tissue.

ANY QUESTIONS? REACH OUT @SUPERNOVAATDAL