

The Science Behind the Experiment

A Guide for Adults

Water is pulled up the plant in a process called transpiration. Water molecules are pulled up the celery, moving up in a long chain. Water leaves the plant through pores in a leaf and as each molecule leaves, it pulls the next one up, a bit like an escalator. This is how water can get to the top of a 10m tree.

Science Experiment

Coloured Celery

What colour are the leaves of your celery?

Can you put your celery into the glass of coloured water?

Can you find a sunny spot to put your experiment?

What colour are the leaves of your celery now?

What has made them change colour?

Which parts of the plant use lots of water?