

Uptake of water by plants

Teacher and technician sheet

Equipment and materials

Each student or pair of students will require:

- Celery stalks with leafy tops
- Food colouring
- 250 cm³ measuring cylinder
- Scalpel
- Hand lens
- Cutting board

Make sure that students take care when using the scalpel and that they use a cutting board to protect the bench top.

Reagents and solution preparations

- Any commercial food colourings could be used.

Extension suggestion

The effect of light and temperature on the rate of uptake of coloured solutes could be investigated.