

CABBAGE HEAD

On a scroll found in China dating back 3,000 years, white cabbage is suggested as a cure for baldness.



Make rainbow cabbage

Harness the power of plants to turn cabbage into a rainbow.

What you need

- Six tall glasses
- Water
- Six different food colourings
- Spoon
- Six cabbage leaves (we used Chinese cabbage leaves)

How does it work?

This experiment shows you how plants drink water. As with most plants, the cabbage leaves transport water and essential minerals through narrow tubes called xylem vessels. These act like the blood vessels in your body. However,

plants don't have a heart to push fluids around. Water rises up the tubes via a phenomenon known as capillary action, caused by water's attraction to other substances. You've coloured the water, so you can see the process in action.



1 Pour water into six glasses, to a height of about five centimetres.



2 Add one drop of a different food colouring to each glass and stir well to mix thoroughly.



3 Pop a cabbage leaf into each glass and marvel at the power of plants.

YOUR SPACE



We'd love to hear how you got on with this month's activities. Email your photos to hello@science-nature.co.uk.

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Theo, aged 10, baked the ever-popular illusion sponge cakes. They look amazing.

ISSUE 43



Jessica and Ivy's gingerbread house is absolutely sweet-tastic.

ISSUE 43



Budding engineer Adelaide made this yummy gingerbread house.

REX SHUTTERSTOCK