

# EXPERIMENT ZONE



Do plants know which way to grow?  
Try this experiment to find out.

## You will need:

- A bean seed (from a packet of seeds)
- A clear glass jar
- Kitchen paper
- Water

Experiment to prove that plants can sense up and down!



- 1 Scrunch up some kitchen paper and line the jar. Push a bean between the paper and the side of the jar.



- 2 Put the jar on a sunny windowsill. Water it and wait.

You should see the roots change direction to grow down again!



- 3 Sprinkle the paper with water every day to keep it damp. Wait until the first shoot and root start to grow. Does the root grow down?



- 4 Turn the jar on its side and leave it. Which way do the roots grow now? Keep turning every week or so to prove your point!

