

## Questions on Photosynthesis

**Q1** In an experiment with two plants, one was put on the windowsill, and the other was shut in a dark cupboard. Both were watered regularly. After three days, the plant in the cupboard was taken out and compared with the other one. The plant from the windowsill looked green and healthy, but the other looked pale and some of its leaves had fallen off.

a) How do we know that lack of water was not to blame for the differences between the plants?

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b) It was suggested that the plant in the cupboard was not as healthy as the one on the windowsill in the first place. What could you do to the experiment to show that this was not the cause of the difference?

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c) Give a reason for the difference between the two plants after three days.

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Two more plants were put on the windowsill. One was given water but the other one wasn't.

d) What do you expect to happen to the plant without water?

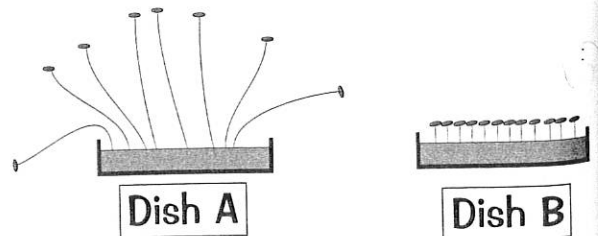
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e) What do these two experiments tell you about plants — what things do they need to grow?

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**Q2** Cress seeds were sprinkled in two dishes lined with kitchen roll. The same amount of water was added to each dish to make the paper wet. After planting, the seeds were kept in different conditions. The pictures show how they grew. Explain what conditions each dish might have been put in.



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