

Post-visit teacher notes

KS4 Photosynthesis and Gas Exchange

We hope that the teaching session at Kew assisted in developing the skills and knowledge of your pupils and provided them with an insight into the amazing plants and world-leading plant science at Kew.

Following your visit, you can use the post-visit activity to further support your pupils' learning.

You could encourage your students to answer the question below.



Kew scientists have been investigating *Equisteum* (a fern relative), which has evolved to live without any leaves, making their stems the photosynthetic organ.

Suggest the advantage of this for the plants.

More information about this plant adaptation (and more!) is available at:
<https://www.kew.org/read-and-watch/how-plants-have-adapted>



Post-visit
Pupil activity



**Thinking
back to your visit to Kew**

When you visited Kew, you learnt about the ways in which plants reduce water loss.

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Suggest the advantage of this for the plants.

