

Cress growing experiment.

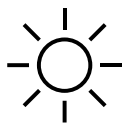
Student worksheet:

- 1) First, dampen 2 pieces of cotton wool under the tap. Make sure to dampen both pieces of cotton wool the same amount.



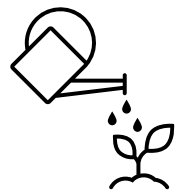
- 2) Place each piece of cotton wool into a different pot, so you have two pots with damp cotton wool in the bottom. 1 pot should be labelled with your name and 'water', and the other pot should be labelled with your name and 'limited water'.

- 3) Sprinkle cress seeds over the cotton wool in both pots and place them on the windowsill – remember, plants need light to grow!



- a. ****Light is a control variable here. Both pots will receive the same amount of light if they are on the windowsill next to each other.****

- 4) Every day, check your cress to make sure that the cotton wool is still moist. If not, make sure to add the same amount of water to both pots.



- 5) Once the cress has started to grow, do not add any more water to the 'limited water' pot. Continue to add water to the 'water' pot though, if the cotton wool starts to feel dry.

- a. ****Watered or not watered is your independent variable!****

- 6) Observe the growth every day and write it down. You should be able to make a note of when the seeds germinate and when you see the roots, stem and leaves.

- 7) It will take about 2 weeks for your cress to grow fully, but this will depend on the environment. What happened to the cress without water? Did it grow well?



For accompanying teaching resources, visit:

www.abpischools.org.uk