

Plant hormones **Triple only**

What is a tropism?

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Where is auxin made in a shoot?

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How does auxin cause phototropism in a shoot?

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How does a root respond to gravity?

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How does a shoot respond to gravity?

Plant hormones **Triple only** **Higher tier**

Two commercial uses of auxins

Plant hormones **Triple only** **Higher tier**

Three commercial uses of gibberellins

Plant hormones **Triple only** **Higher tier**

Commercial use of ethene

In the tip of the shoot.

A growth response of a plant to a stimulus.

It grows downwards (positive gravitropism).
Auxin on the lower side slows the growth of
the cells there.

Auxin moves to the shaded side and makes
cells elongate there, so the shoot bends
towards light.

Weedkillers and rooting powders.

It grows upwards (negative gravitropism).

Ripening fruit.

Germination of seeds, fruit and flower
formation, and production of seedless fruit.