

Tropic responses

Define gravitropism.

Tropic responses

Define phototropism.

Tropic responses

Why are gravitropism seedlings kept in the dark?

Tropic responses **Supplement**

Where is auxin made and how does it move?

Tropic responses **Supplement**

What does auxin do and where does it collect in a shoot with light from one side?

Tropic responses **Supplement**

Why are tropisms an example of chemical control?

A response in which parts of a plant grow towards or away from the direction of the light source.

A response in which parts of a plant grow towards or away from gravity.

It is made in the shoot tip and diffuses through the plant from the tip.

So that light does not affect the direction of growth and only gravity is the variable.

Plant growth is controlled by the chemical auxin, which is unequally distributed in response to light and gravity.

It stimulates cell elongation. It collects on the shaded side, so the shoot bends towards the light.