

24.3 Plant Hormones & Responses

Environmental Signals

Most structural responses that affect the growth, activity, and development

Environmental Signal	Structural Response
Light	stem elongation (and cell expansion) for more light absorption
Gravity	gravitropism (and cell expansion)
Water availability	stomatal closure (transpiration)
Temperature stress	thickened stems (transpiration) or increased wax secretion
Stomatal opening	transpiration to cool the plant and transport

Plasticity in

Plasticity in growth & development in response to changes in environment

Plasticity in growth & development in response to environmental signals



- a) Gravitropism is a response to light. b) Stems grow towards light.
- a) Gravitropism is a response to gravity. b) Stems grow downwards.
- a) Thigmotropism is a response to touch. b) Stems bend towards vertical support.

Plasticity in growth & development in response to environmental signals: a) Gravitropism, b) Phototropism, c) Thigmotropism.



Plasticity in growth & development in response to environmental signals: a) Gravitropism, b) Phototropism, c) Thigmotropism.

Plasticity in growth & development in response to environmental signals: a) Gravitropism, b) Phototropism, c) Thigmotropism.

Plant Hormones And Responses Answers

A Gutmann



Plant Hormones And Responses Answers:

The Enigmatic Realm of **Plant Hormones And Responses Answers**: Unleashing the Language is Inner Magic

In a fast-paced digital era where connections and knowledge intertwine, the enigmatic realm of language reveals its inherent magic. Its capacity to stir emotions, ignite contemplation, and catalyze profound transformations is nothing in short supply of extraordinary. Within the captivating pages of **Plant Hormones And Responses Answers** a literary masterpiece penned by a renowned author, readers attempt a transformative journey, unlocking the secrets and untapped potential embedded within each word. In this evaluation, we shall explore the book's core themes, assess its distinct writing style, and delve into its lasting effect on the hearts and minds of those who partake in its reading experience.

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