

Plant Hormones Quiz PDF

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Which plant hormone is primarily responsible for cell elongation?

- Gibberellins
- Auxins
- Ethylene
- Cytokinins

What hormone is most associated with fruit ripening?

- Abscisic Acid
- Auxins
- Cytokinins
- Ethylene

Explain the significance of hormonal crosstalk in plant development and provide an example.

What is the primary role of gibberellins in plants?

- Promoting cell division
- Inducing fruit ripening
- Closing stomata
- Stimulating stem elongation

Which hormone is involved in the response to abiotic stress like drought?

- Ethylene
- Abscisic Acid
- Cytokinins
- Gibberellins

Which hormone is known to delay leaf senescence?

- Gibberellins
- Auxins
- Ethylene
- Cytokinins

Which plant hormone induces seed dormancy?

- Auxins
- Abscisic Acid
- Ethylene
- Gibberellins

Which hormone primarily affects leaf abscission?

- Abscisic Acid
- Cytokinins
- Gibberellins
- Ethylene

Which of the following hormones are involved in seed germination? (Select all that apply)

- Gibberellins
- Abscisic Acid
- Cytokinins
- Auxins

Which of the following hormones are involved in cell division? (Select all that apply)

- Auxins
- Gibberellins
- Ethylene
- Cytokinins

Which hormones are involved in fruit development? (Select all that apply)

- Auxins
- Ethylene
- Abscisic Acid
- Gibberellins

Explain how auxins contribute to phototropism in plants.

Describe the role of gibberellins in seed germination and how they interact with other hormones.

Which hormones play a role in stress resistance? (Select all that apply)

- Abscisic Acid
- Gibberellins
- Cytokinins
- Ethylene

Which hormones are known to regulate stomatal closure? (Select all that apply)

- Auxins
- Ethylene
- Gibberellins
- Abscisic Acid

Discuss the mechanism by which abscisic acid helps plants cope with drought stress.

How do cytokinins and auxins interact to regulate plant growth and development?

Describe the process of fruit ripening and the role of ethylene in this process.

Which hormone is crucial for phototropism in plants?

- Gibberellins
- Ethylene
- Cytokinins
- Auxins

Which hormones can delay leaf senescence? (Select all that apply)

- Cytokinins
- Auxins

- Ethylene
- Gibberellins