

CLASS 11

BIOLOGY

REVISION NOTES

Class 11 Biology Chapter 13 Plant Growth and Development – Revision Notes

Quick revision notes for Class 11 Biology Chapter 13 (Plant Growth and Development). These Class 11 Biology Chapter 13 notes are ideal for quick revision just before exams.

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Quick revision notes for Class 11 Biology Chapter 13 (Plant Growth and Development). These Class 11 Biology Chapter 13 notes are ideal for quick revision just before exams.

Growth Characteristics

Indeterminate, open growth; sigmoid curve: lag, log, stationary phases.

Phases: meristematic, elongation, maturation.

Plant Hormones

Auxin: elongation, apical dominance.

Gibberellin: stem elongation, germination.

Cytokinin: cell division, delays senescence.

Ethylene: fruit ripening (only gaseous hormone).

ABA: stress hormone, dormancy, stomatal closure.

Photoperiodism & Vernalisation

Flowering response to day/night length (short-day, long-day, day-neutral).

Vernalisation: flowering promoted by cold exposure.

One-Line Summary

Plant growth is indeterminate and follows a sigmoid pattern, regulated by five major phytohormones (auxin, gibberellin, cytokinin, ethylene, ABA) along with photoperiod and temperature cues controlling flowering.

Class 11 Biology Chapter 13 – Solutions and Important Questions

Need full answers or more practice? See the [Class 11 Biology Chapter 13 Solutions](#) and [Class 11 Biology Chapter 13 Extra Questions](#).

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