

CLASS 11

BIOLOGY

REVISION NOTES

Class 11 Biology Chapter 19 Chemical Coordination and Integration – Revision Notes

Quick revision notes for Class 11 Biology Chapter 19 (Chemical Coordination and Integration). These Class 11 Biology Chapter 19 notes are ideal for quick revision just before exams.

Contents

Major Glands

Hormone Action

Regulation

Disorders

One-Line Summary

Class 11 Biology Chapter 19 – Solutions and Important Questions

Quick revision notes for Class 11 Biology Chapter 19 (Chemical Coordination and Integration). These Class 11 Biology Chapter 19 notes are ideal for quick revision just before exams.

Major Glands

Pituitary (master gland), Thyroid (thyroxine, metabolic rate), Parathyroid (Ca^{2+}), Adrenal (cortisol/adrenaline), Pancreas (insulin/glucagon), Gonads.

Hormone Action

Peptide hormones: surface receptors, second messengers.

Steroid hormones: lipophilic, intracellular/nuclear receptors, direct gene expression.

Regulation

Negative feedback maintains hormone homeostasis (e.g. thyroxine $\rightarrow$ suppresses TSH).

Disorders

Diabetes mellitus, goitre (iodine deficiency), dwarfism/gigantism (GH imbalance).

One-Line Summary

The endocrine system uses hormones secreted by glands like the pituitary, thyroid, adrenal, and pancreas to regulate body functions through peptide (surface-receptor) or steroid (gene-regulating) mechanisms, maintained by negative feedback.

Class 11 Biology Chapter 19 – Solutions and Important Questions

Need full answers or more practice? See the [Class 11 Biology Chapter 19 Solutions](#) and [Class 11 Biology Chapter 19 Extra Questions](#).

See also: [Chapter 1](#) | [Chapter 2](#) | [Chapter 3](#) | [Chapter 4](#) | [Chapter 5](#) | [Chapter 6](#) | [Chapter 7](#) | [Chapter 8](#) | [Chapter 9](#) | [Chapter 10](#) | [Chapter 11](#) | [Chapter 12](#) | [Chapter 13](#) | [Chapter 14](#) | [Chapter 15](#) | [Chapter 16](#) | [Chapter 17](#) | [Chapter 18](#) | [Chapter 19](#)

Practice more: [Chapter 1](#) | [Chapter 2](#) | [Chapter 3](#) | [Chapter 4](#) | [Chapter 5](#) | [Chapter 6](#) | [Chapter 7](#) | [Chapter 8](#) | [Chapter 9](#) | [Chapter 10](#) | [Chapter 11](#) | [Chapter 12](#) | [Chapter 13](#) | [Chapter 14](#) | [Chapter 15](#) | [Chapter 16](#) | [Chapter 17](#) | [Chapter 18](#) | [Chapter 19](#)

Quick revision: [Chapter 1](#) | [Chapter 2](#) | [Chapter 3](#) | [Chapter 4](#) | [Chapter 5](#) | [Chapter 6](#) | [Chapter 7](#) | [Chapter 8](#) | [Chapter 9](#) | [Chapter 10](#) | [Chapter 11](#) | [Chapter 12](#) | [Chapter 13](#) | [Chapter 14](#) | [Chapter 15](#) | [Chapter 16](#) | [Chapter 17](#) | [Chapter 18](#)

© NCERTBooks.org — your one-stop source for Class 1 to 12 NCERT Books, Solutions, Extra Questions, Revision Notes, Formulas Handbooks and more. Visit ncertbooks.org for the latest chapters as they are published.