

Class 12th Biology Most Expected Topics (METS)

For Board Exams 2025

Chapter 14: Respiration

- Respiratory system in man
- Mechanism of breathing
- Transport of CO₂ & O₂ in blood

Chapterter 15: Homeostasis

- osmoregulatory adaptation in animals
- Structure & function of nephron
- Dialysis

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Chapterter 16: Support & Movement

- Bones and cartilage
- Structure of skeletal muscle
- Mechanism of muscle contraction
- Herniation of disc
- Antagonism

Chapterter 17: Nervous Coordination

- Resting & active membrane potential
- Synapse
- Central nervous system

Chapter 18: Chemical Coordination

- Pituitary gland, its lobes & hormones secreted by these lobes

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Chapter 19: Behavior

- Learning behavior
- Social behavior

Chapter 20: Reproduction

- Male & Female reproductive system
- Female reproductive cycle
- Hormones

Chapter 21: Development & Aging

- Fertilization
- Formation of zygote
- Embryonic induction

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- Development in mammals & fetus

Chapter 22: Inheritance

- Incomplete & codominance
- Polygenic inheritance
- Epistasis
- Pedigrees & genetic problems

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Chapter 23: Chromosomes & DNA

- DNA replication
- Transcription
- Translation
- Experiment to prove that replication of DNA is semi-conservative

Chapter 24: Evolution

- Lamarckism
- Darwinism
- Hardy Weinberg theorem

Chapter 25: Man and his Environment

- Nitrogen cycle
- Ecological succession
- Acid rain

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Chapter 26: Biotechnology

- Recombinant DNA technology
- PCR
- Sanger's process
- Genome maps

Chapter 27: Biology and Human welfare

- Vaccination
- Role of microbes in human welfare

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