

CLASS 11

BIOLOGY

REVISION NOTES

Class 11 Biology Chapter 17 Locomotion and Movement – Revision Notes

Quick revision notes for Class 11 Biology Chapter 17 (Locomotion and Movement). These Class 11 Biology Chapter 17 notes are ideal for quick revision just before exams.

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Movement Types

Amoeboid, ciliary, muscular.

Muscle Types

Skeletal (voluntary, striated), smooth (involuntary), cardiac (involuntary, striated).

Sliding Filament Theory

Sarcomere; actin/myosin cross-bridges; requires Ca^{2+} + ATP; troponin/tropomyosin regulate.

Skeleton

206 bones: axial (80) + appendicular (126).

Joints: fibrous (immovable), cartilaginous (slight), synovial (freely movable).

One-Line Summary

Locomotion and movement are enabled by the coordinated action of the skeletal and muscular systems, with muscle contraction driven by the ATP- and calcium-dependent sliding of actin and myosin filaments within sarcomeres.

Class 11 Biology Chapter 17 – Solutions and Important Questions

Need full answers or more practice? See the [Class 11 Biology Chapter 17 Solutions](#) and [Class 11 Biology Chapter 17 Extra Questions](#).

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