

CLASS 9

SCIENCE

REVISION NOTES

Class 9 Science Chapter 12 Patterns in Life: Diversity and Classification – Revision Notes

Quick revision notes for Class 9 Science Chapter 12 (Patterns in Life: Diversity and Classification). These Class 9 Science Chapter 12 notes are ideal for quick revision just before exams.

Contents

- Five Kingdoms
- Plant Divisions
- Animal Divisions
- Binomial Nomenclature
- Viruses
- One-Line Summary

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Five Kingdoms

Monera: unicellular, prokaryotic (bacteria).

Protista: unicellular, eukaryotic (amoeba, paramecium).

Fungi: absorb nutrients, mostly multicellular (mushrooms, yeast).

Plantae: multicellular, photosynthetic.

Animalia: multicellular, heterotrophic.

Plant Divisions

Thallophyta (algae) → Bryophyta (mosses) → Pteridophyta (ferns) → Gymnosperms (naked seeds) → Angiosperms (flowering, monocots/dicots).

Animal Divisions

Invertebrates (no backbone) vs Vertebrates (backbone: fish, amphibians, reptiles, birds, mammals).

Binomial Nomenclature

Genus + species, italicised, e.g. *Homo sapiens*.

Viruses

Acellular; no life signs outside host; replicate like living things inside host — living/non-living boundary.

One-Line Summary

Classification organises life's diversity into five kingdoms and further plant/animal divisions, uses binomial nomenclature for universal naming, and viruses sit at the living/non-living boundary since they only show life-like behaviour inside a host cell.

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