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Class 11 Biology

Foundation One-Liner Notes

A free study resource by **Toppers Hub Academy**

Founder & Director: **Mrs. Neeru Nanda**

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1945 P, Sainik Colony, Sector 49, Faridabad, Haryana 121001

Call / WhatsApp: +91 98916 12831 (9891612831) • toppershubacademy.odoo.com

Diversity & Cell Biology

- Living organisms are classified into five kingdoms (Whittaker's system).
- The cell is the basic structural and functional unit of life.
- Prokaryotic cells lack a true nucleus; eukaryotic cells have one.
- Cell organelles: mitochondria (powerhouse), ribosomes (protein synthesis), chloroplast (photosynthesis).

Plant Physiology

- Photosynthesis converts light energy into chemical energy (glucose).
- Respiration releases energy stored in glucose as ATP.
- Transpiration is the loss of water vapour from plant surfaces.
- Plant hormones: auxin, gibberellin, cytokinin, abscisic acid, ethylene.

Human Physiology

- Digestive, respiratory, circulatory, excretory and nervous systems work together.
- The heart has four chambers; blood carries oxygen and nutrients.
- Neurons transmit nerve impulses across the body.
- Homeostasis keeps the internal environment stable.

Want the full Class 11 Biology PDF with diagrams and NEET pointers?

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