



Loreto Convent Intermediate College

Lucknow

SUMMER HOLIDAY HOMEWORK (2025-26)

CLASS – X SUBJECT

BIOLOGY PROJECT

Write the following experiments in Lab Manual:

NOTE: You will write under the following headings-

[1] AIM OF THE EXPERIMENT

[2] REQUIREMENTS

[3] PROCEDURE

[4] OBSERVATION

[5] PRECAUTIONS

Identification of the internal structure of the Eye (Through model).

Identification of the internal structure of the Ear (Through model)

Identification and location of selected endocrine glands: Adrenal, Pancreas, Thyroid and Pituitary glands with the help of a model or chart.

Experiments demonstrating:

- Diffusion: using potassium permanganate in water.
- Osmosis: Thistle Funnel experiment and potato osmoscope,
- Absorption: using a small herbaceous plant.

Experiments on Transpiration:

- Demonstration of the process using a Bell Jar.
- Demonstration of unequal transpiration in a dorsiventral leaf using cobalt chloride paper.
- Demonstration of uptake of water and the rate of transpiration using Ganong's potometer.

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