



Loreto Convent Intermediate College

Lucknow

SUMMER HOLIDAY HOMEWORK (2026-27)

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

- [i] Identification of the internal structure of the Eye (Through model).
- [ii] Identification of the internal structure of the Ear (Through model)
- [iii] Identification and location of selected endocrine glands: Adrenal, Pancreas, Thyroid and Pituitary glands with the help of a model or chart.
- [iv] Experiments demonstrating:
 - Diffusion: using potassium permanganate in water.
 - Osmosis: Thistle Funnel experiment and potato osmoscope,
 - Absorption: using a small herbaceous plant.
- [v] 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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