

SAINIK SCHOOL AMBIKAPUR
WINTER VACATION HOME WORK

CLASS - XI (BIOLOGY)

Plant Biology

1. Comparative Study of Stomatal Distribution: Investigate stomatal distribution on upper and lower surfaces of leaves in various plant species.
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Animal Biology

1. Study of Osmosis: Investigate the effect of different concentrations of salt solution on the osmotic potential of potato cells.

Microbiology

1. Study of Soil Microorganisms: Examine the diversity of microorganisms in different soil samples.

Ecology

1. Study of Water Pollution: Investigate the effects of water pollution on aquatic life.
2. Comparative Study of Plant Diversity: Examine plant diversity in different ecosystems (e.g., forest, grassland, and desert).

Genetics

1. Study of Mendelian Genetics: Investigate the inheritance patterns of different traits in plants or animals.

Practical Projects

1. Comparative Study of Leaf Structures: Examine and compare leaf structures of different plants.