

Plant growth is one of the most important biological phenomena in the world of living things, as it forms the basis of life on planet Earth. External factors include light, water, soil, temperature, and carbon dioxide, which provide the appropriate environment for the development and growth of plants. Plant growth includes precise and diverse processes that start from the germination stage, then develop into a fully grown plant capable of performing its vital functions through its various organs such as stems, roots, leaves, and flowers. Internal factors include genes and plant hormones, such as auxin and cytokinin, which regulate and coordinate cellular and reproductive processes.