

- Growth and movement in plants are controlled by both internal and external factors.
- **External factors** include temperature light and oxygen that controls the movement and growth of plants and internal factors that control the growth of plants are **Genetic constitutions and hormones**.

Plant hormones

- As plants lack nervous system so the control and coordination functions are performed by the chemical substances known as plant hormones or phytohormones. This is also called plant growth hormones.

Plant growth is mainly achieved by

- Cell division involving two processes mitosis and meiosis. Mitosis is essential for growth, repair and asexual reproduction in plants. whereas meiosis is essential for the formation of reproductive cells in sexual reproduction.
- Cell enlargement in plants is a process knots cell expansion where plant cells increase in size .
- Cell differentiation is a process in plants when the plant cells became specialized to perform specific functions within the plant.
- Plant hormones control Dormancy (temporary stop of plant growth and activities) , opening and closing of