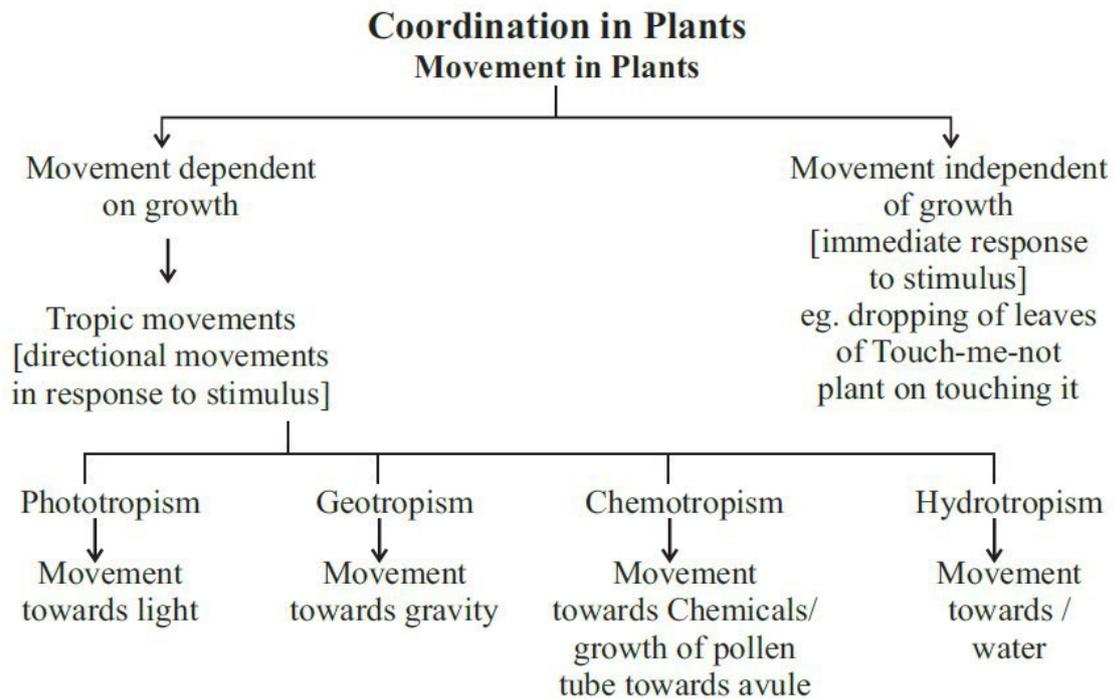


Prepare flashcards



Plant hormones :

Are chemical compounds which help to coordinate growth, development and responses to the environment.

Plant hormones : Main plant hormones are :

- a) **Auxin** : [Synthesized at shoot tip]
Function : – Helps in growth
Phototropism : more growth of cells towards light.
 - b) **Gibberellin** : Helps in the growth of the stem
 - c) **Cytokinins** : Promotes cell division
 - d) **Abscisic acid** : Inhibits growth, cause wilting of leaves.
(Stress hormone)
-

Hormones in Animals

Hormones : These are the chemical messengers secreted in very small amounts by specialised tissues called ductless glands. They act on target tissues/organs usually away from their source.

Endocrine System helps in control and coordination through chemical compounds called HORMONES

S. No.	Hormone	Endocrine Gland	Location	Functions
1.	Thyroxine	Thyroid	Neck/ Throat region	Regulation of metabolism of carbohydrates, fats and proteins.
2.	Growth hormone	Pituitary	Mid	Regulates growth and development.
3.	Adrenaline	Adrenal	Above both kidneys	Regulation (increasing) of blood pressure, heart heat, carbohydrate metabolism (during emergency)
4. SEX Hormone	{ Testosterone in Males estrogen	{ Testes Ovaries	G O N A D S Genital/ lower abdomen area	Changes associated with puberty (Sexual maturity)
5.	Insulin	Pancreas	Below stomach	Reduces and regulates blood sugar level

Diabetes :

Cause : It is due to deficiency of Insulin hormone secreted by Pancreas that is responsible to lower/control the blood sugar levels.

Treatment : Patients have to internally administer injections of insulin hormone which helps in regulating blood-sugar level.

