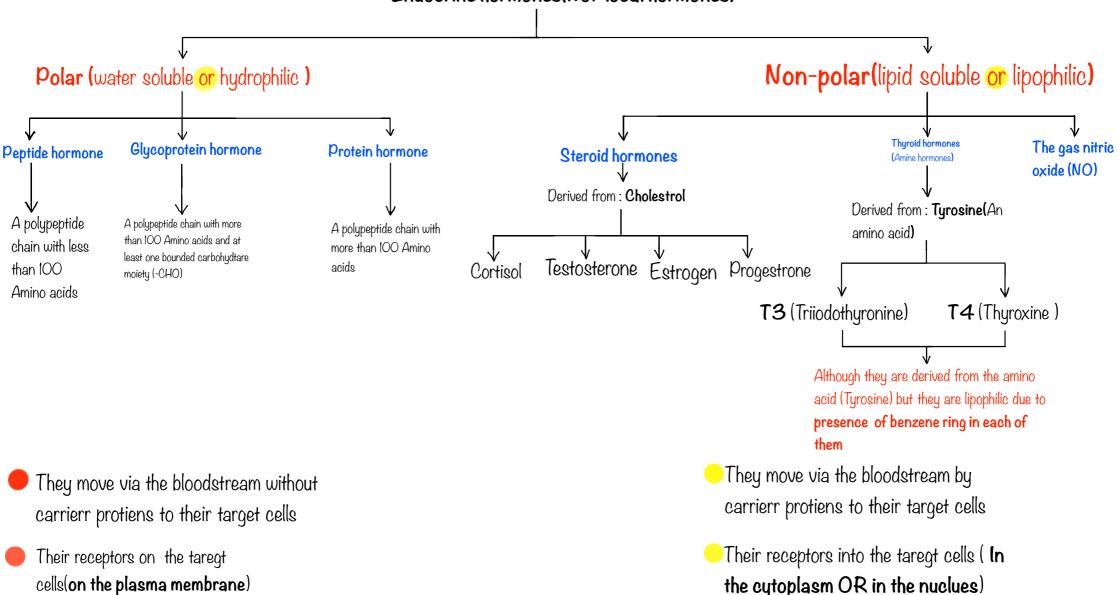


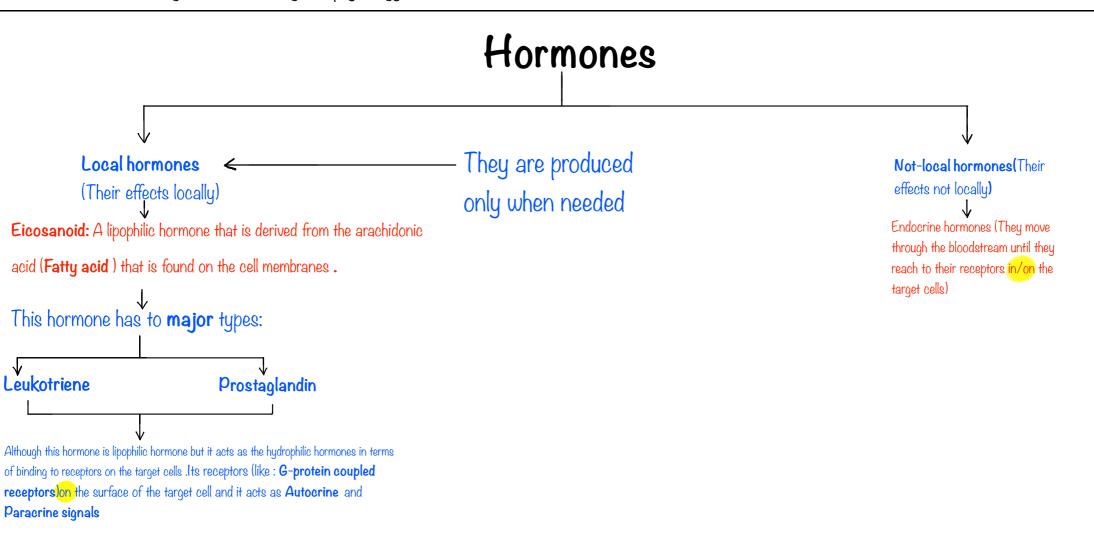
Paracrine Paracrine cell

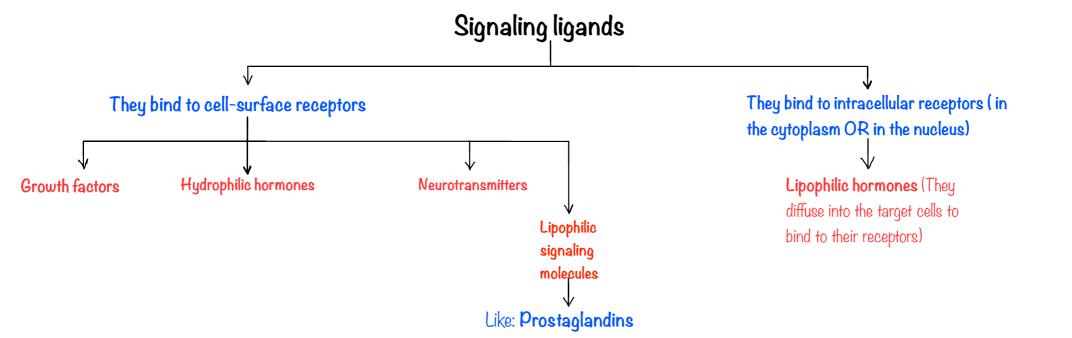
Nearby target cell

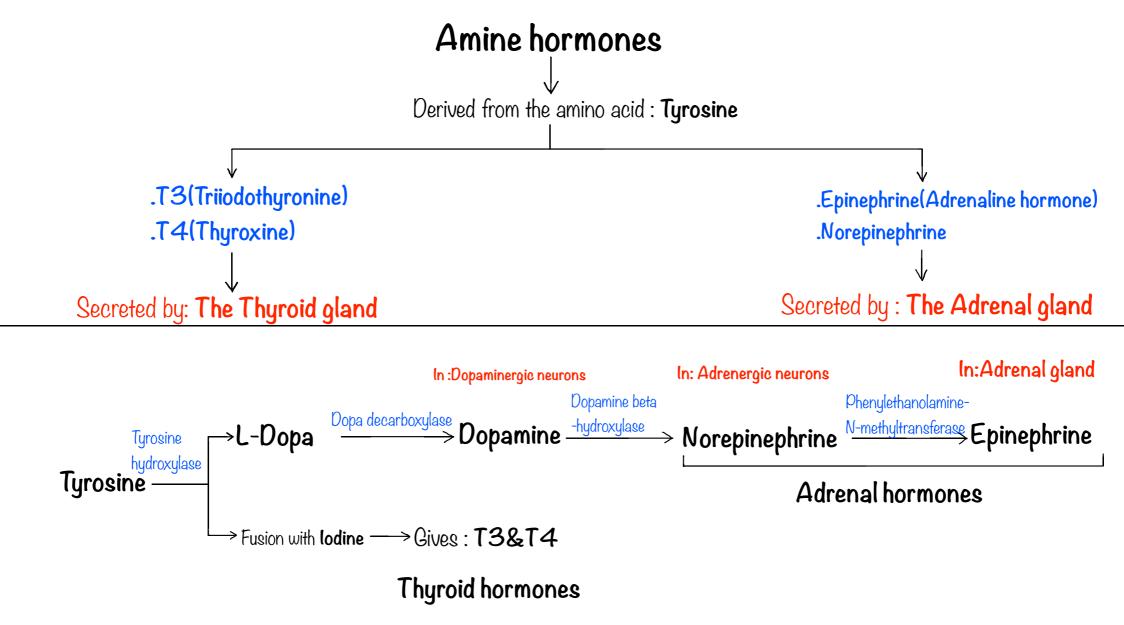
## Endocrine hormones(Not-local hormones)

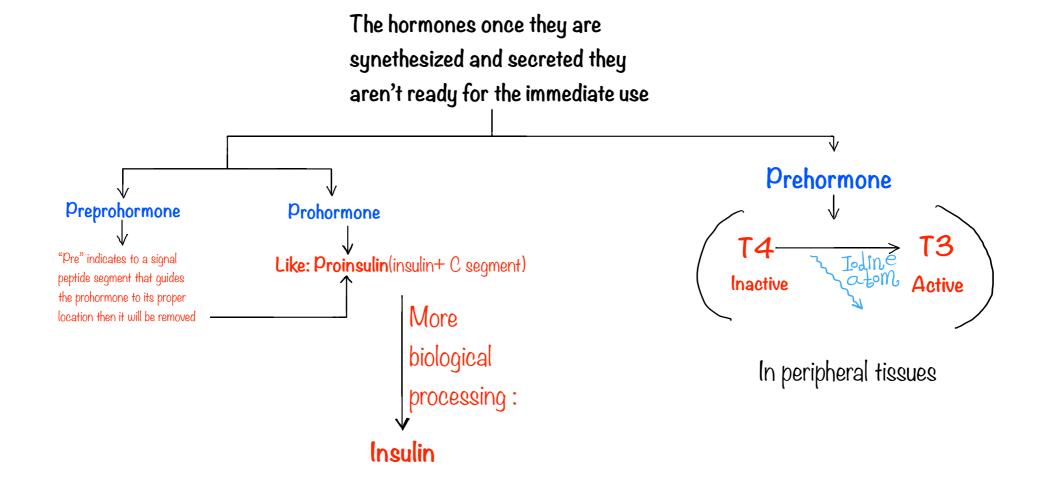


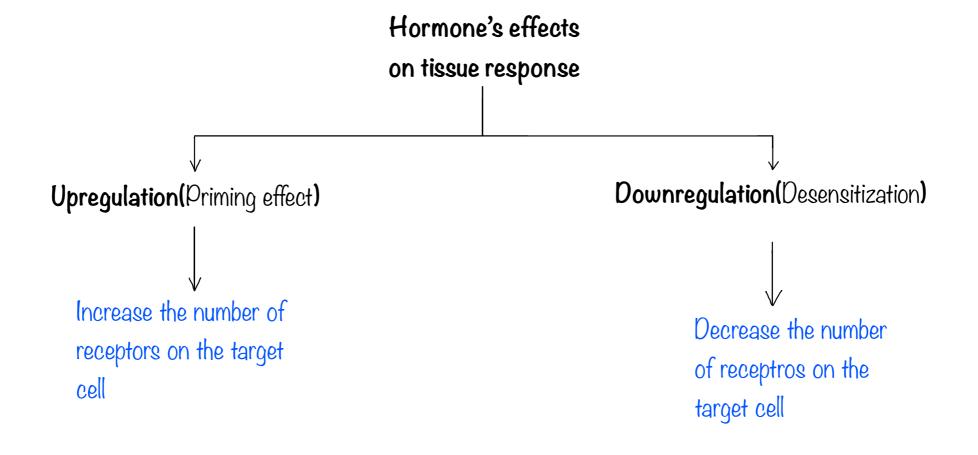
A hormone is a chemical messenger that is produced by specific glands or tissues in the body and travels (usually through the blood) to target organs or cells to regulate physiology and behavior...

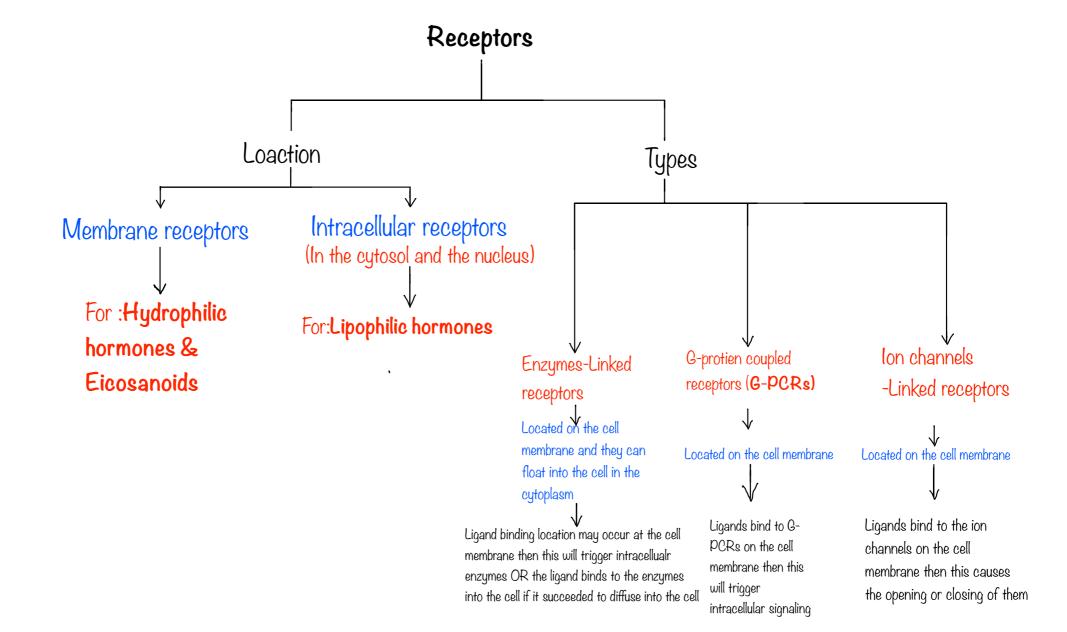












## Responsiveness of the target cell to hormones

## Hormone's concentration $\downarrow$

The rate of the response can be increased with increasing the hormone's concentration but at a specific point any additional increase will be deficient and inactive ,but actually do we need this increase in the concentartion ? No we don't due to the **signal amplification** (not condition that all receptors must be occupied by hormones to manage great cellular response) Abundance of the receptors in/on the target cell More receptors (specific ones (characterized for the ligands which needed )) the greater cellular response will be

