

## CHEMICAL CO-ORDINATION

Can affect every cell  
Slow in action  
Long termed

CRINE → SECRETION

GLANDULAR PARTS → Golgi Apparatus

### EXOCRINE

(Ducted Glands)

- Secreted over surface
- × Hormone
- Juices / Special Names
- Saliva
- Tear
- Juices (Gastric)
- Ear Wax
- Nasal Secretion

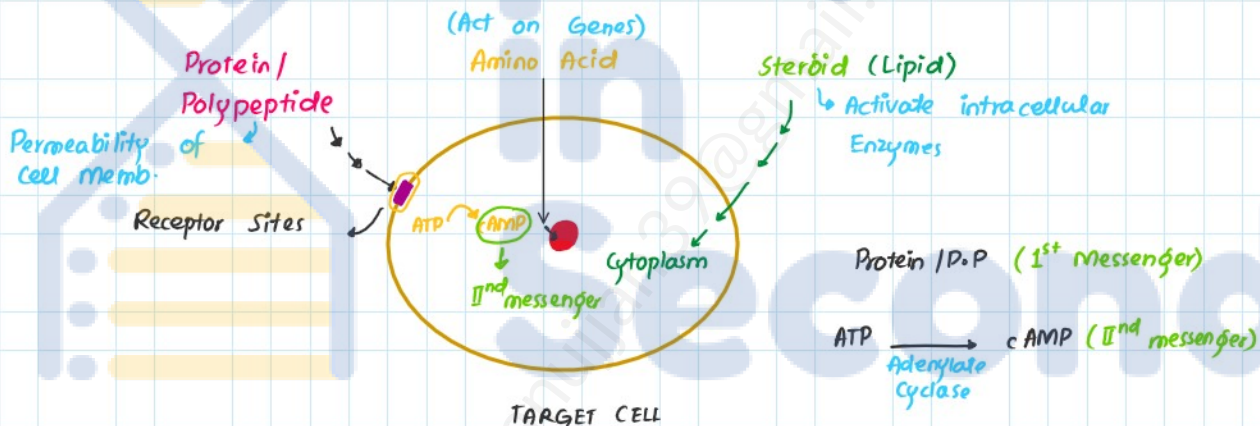
### ENDOCRINE

(Duct-less Glands)

- Secretes in Blood.
- ✓ Organic molecules
- Not initiate any new chemical reaction
- Regulate reactions

### AUTOCRINE

### PARACRINE



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HUMAN BODY → 80 Endocrine Glands (Ductless glands)

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A) Cell B) Group of cells C) Tissue D) ORGAN E) All

Goblet cells (Mucus)

Islets of Langerhans

Adipose tissue

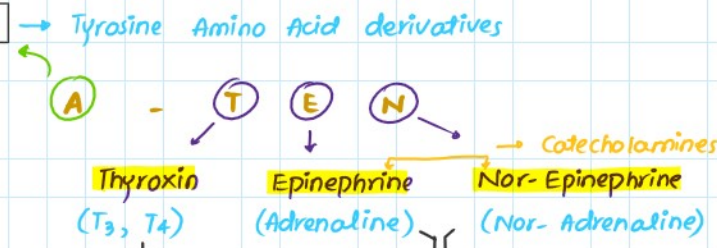
• Liver  
• Pancreas

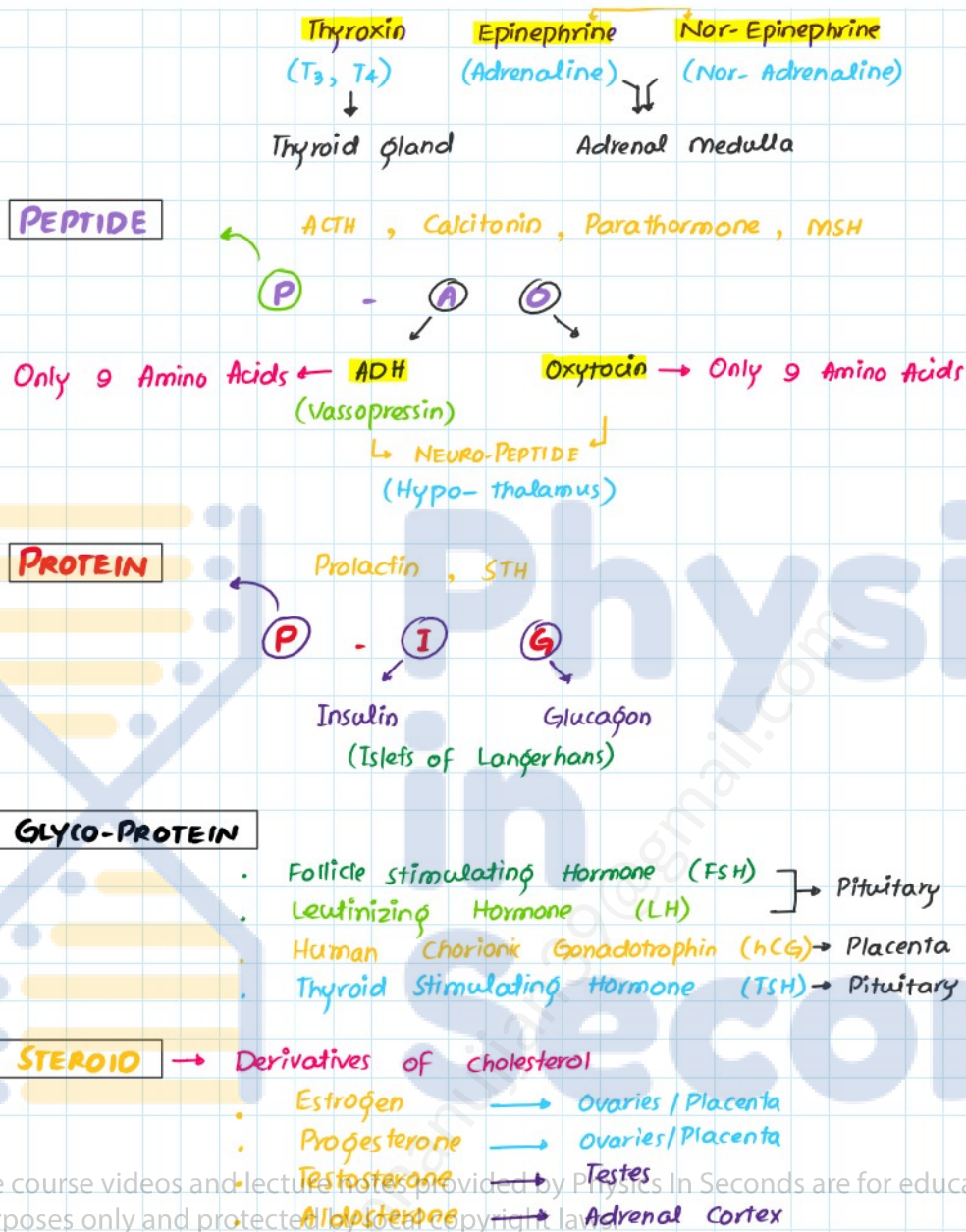
Gonads (Testes, Ovaries)

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## NATURE OF HORMONE

### AMINO ACID





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**PHEROMONES** → Small, volatile molecules

↓

→ Removed outside body

→ Animal, Fungi

"Sex Appealants"

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