**Endocrine Outline**

**Hormones you Need to Know (Function and Organ)**

Growth Hormone Oxytocin Thymosin

Prolactin Calcitonin Glucagon

Thyroid Stimulating Hormone Parathyroid Hormone Estrogen

Adrenocorticotropic Hormone Testosterone Progesterone

Follicle Stimulating Hormone Antidiuretic Hormone Melatonin

Luteinizing Hormone Insulin

Catecholamine (Epinephrine and Norepinephrine)

Mineralocorticoids (Aldosterone)

Glucocorticoids (Cortisone and Cortisol)

Sex Chromosomes (Androgens vs. Estrogens)

Thyroid Hormone (Thyroxine and Triiodothyronine)

**Organs**:

Pituitary (Anterior and Posterior) Adrenal (Cortex and Medulla)

Hypothalamus Pineal

Thyroid Thymus

Parathyroid Pancreas

Short Answer:

List, Describe, and Give an example of the 3 Types of Stimuli (Hormonal, Humoral, and Neural)

Gonads (Ovaries and Testes)

**Endocrine System:**

* Chemistry/Classification of Hormones
  + Amino Acid Based, Steroids, Prostaglandins
* Mechanism of Hormone Action
  + Direct Gene Activation vs. Second Messenger System
* Stimuli
  + Hormonal, Humoral, Neural

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| --- | --- | --- |
| Gigantism  Pituitary Dwarfism  Acromegaly  Goiter | Cretinism  Myxedema  Graves Disease  Addison’s Disease | Cushing’s Syndrome  Hyperaldosteronism  Masculinization |

**Diseases and Disorders:**