Body Systems + Homeostasis

Endocrine System

Chemical Messages

Hormones — Slow Action, Long Results

- Testes ♂ → Testosterone → Reproductive System (Sexual Development)
- Ovaries ♀ → Estrogen → Reproductive System (Sexual Development)
- Adrenal Glands → Adrenalin → Nervous System (Fight or FLIGHT)
- Pancreas → Digestive System; → Insulin

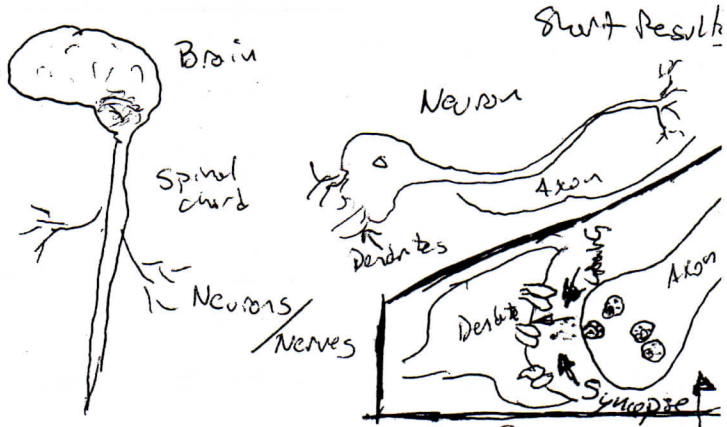
Insulin = Control Sugar in Blood

Insulin = DIABETES

Nervous System

Electrical Messages

Neurotransmitters — Fast Action, Short Results



Recieve Stimulus → Senses Receptors

Send Stimulus → Muscles

Reflex (No Brain) v. Response (Brain)

Receptor Neurotransmitter

Skeletal System

Structure / Support

Bone Marrow = Makes Blood

Tendon = Join Muscle – Bone

Ligament = join Bone

Smooth = digestive
Cardiac = Heart
Striated = Move
Visceral = digestive
Skeletal = Move

Smooth Muscle = Visceral Muscle = Digest

Striated Muscle = Skeletal Muscle = Move

Cardiac Muscle = Heart Muscle

Excretory System

Kidney

Dialysis

↓

Filter Stuff from Blood

↓

Produce Urine

↓

Urea = Ammonia + Salts

Muscular System