


(organ list on website)

- Systems:
- endocrine
 - nervous
 - immune
 - muscular
 - respiratory
 - circulatory
 - skeletal
 - urinary
 - reproductive
 - integumentary
 - digestive

ANATOMY

Nervous System Details:

- Neurons 
- Sensory → brain → response
- Electrochemical
- AP ↑
- neurotransmitters

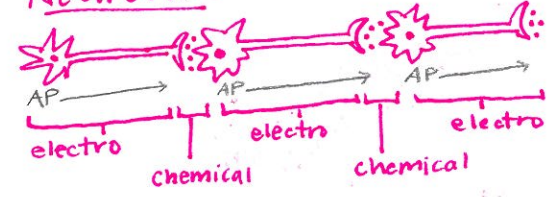


- depolarize (⊖ → ⊕)
- Na⁺ open
- hyperpolarize (⊕ → ⊖)
- K⁺ open

COMMUNICATION

- Hormones:
- signaling molecules
 - endocrine + circulatory systems

Neurons:



ANIMALS

DEFENSE

- Immune System:
- Innate (General Defense):
 - barrier: skin, mucus
 - internal: macrophage, inflammation, natural killer cells

COORDINATION

be able to explain how the organs (and organ systems) work together.

↳ ex. Resp. + Circ. Systems

ENVIRONMENTAL FACTORS

- Thermoregulation
- endotherms vs. ectotherms (we regulate) (environment regulates)
 - HOT (sweat, burrow, vasodilation)
 - COLD (shiver, sun, counter current exchange)
 - ↳ hibernation

* Natural circadian cycles

- Acquired (specific):
 - B cells: make antibodies, and memory cells
 - T cells: cytotoxin cells "killer T cells"

