Cheatography

1: Organization of the Human Body Cheat Sheet by ASadDirtBlock via cheatography.com/179810/cs/37414/

Anatomy

Study of the structure & shape of the human body.

Gross Anatomy	Microscopic Anatomy
- Study of body structures visible to the naked eye.	- Study of body structures using a microscope
- AKA Macroscopic Anatomy	- Structures to small to see with the naked eye
EX: Surface Anatomy	EX: Cytology

Homeostasis

Physiology

Study of processes/functions of the body, how anatomical parts work, what they do and why they do it.

Levels of Structural Organization	
Chemical	Interactions and combinations of atoms
Cellular	Combinations of molecules forming cells
Tissues	Similar cells working together to preform a similar function
Organs	Several different types of tissues that work together to preform a similar task
System	Several organs that each have a specific function in the overall activity of a body system
Organismal	All body systems

Major Organ Systems of the Body

11 major sys sustain life.	stems that all work together to
Integu- mentary	Skin, accessory organs (hair, nails, sweat glands, sebaceous glands)
	Covers and protects tissues, regulates body temperature
Skeletal	Bones and associated cartilage
	Protects and supports organs
	Forms blood cells
	Stores minerals
Muscular	Skeletal, smooth and cardiac muscle
	Produces movement
	Provides body heat
	Maintains posture
Nervous	Brain, spinal cord, associated nerves
	Coordinates body activities through rapid activation of muscles and glands
Endocrine	Ductless glands that secrete hormones
	Regulates metabolism and chemical reactions
Cardio- vascular	Heart and Blood vessels
	Transports nutrients, gases and other substances
	Provides a medium for disease control
Lympha- tic/Immun- e	Lymphatic vessels and lymph nodes
	Returns extra cellular fluid to the blodd
	Defends against disease

Major Organ Systems of the Body (cont)

Respir- atory	Lungs and tubes that bring air to and from the lungs
	Breaks down and absorbs nutrients
Urinary	Kidneys, ureters, urinary bladder, urethra
	Removes metabolic wastes
	Regulates fluid levels
	Regulated acid-base levels
Reprod uctive	(Male) Testes, glands, ducts, penis
	(Female) Ovaries, ducts, uterus, vagina
	Survival of the human species

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