

The Body Systems- A group of cells, tissues and organs, coordinated to maintain life

system	parts	function	condition
1. skeletal	200 bones	Structure, organ protection	fracture
2.muscular	Cardiac- heart Skeletal-muscle to bone Smooth- lines hollow organs	Movement Cardiac- pumps blood Skeletal-muscle to bone Smooth- walls of hollow organs	Sprain- soft tissue/ skeletal muscle injury
3.cardiovascular	Heart, vessels, blood delivers oxygen, fluids and nutrients	Circulation within muscles Arteries take blood away , veins bring blood back, capillaries exchange materials between blood and tissue cells * Hardest working system	CHF- congestive heart failure- poor circulation, leading to swelling HTN- hypertension CAD- coronary artery disease CVA- cerebral vascular accident/ stroke
4.nervous	Brain, spinal cord, nerves, neurons	Neurotransmission, communication, coordination	Seizure- abnormal brain cell activity affecting muscle tone
5.endocrine	control body processes	Regulation glands produce insulin to control blood sugar/ diabetes	Diabetes/ glycemia Hypo- low Hyper- high
6.lymphatic	Lymph nodes and vessels	immunity	
7.respiratory	lungs	breathing	COPD, Asthma, pneumonia Common cold URI- upper respiratory infection
8.digestive	Stomac, esophagus, intestines	Nutrition- breaks down and transports food, removes waste	Nausea, vomiting, diarrhea Dysphagia- difficulty swallowing
9.urinary	Kidneys, ureter, bladder, urethra	Waste fluid regulation	Urinary incontinence
10. reproductive	Female ovaries, male testes	Life creation	
11. Integumentary	Skin Epidermis- external layer Dermis- mid layer Subcutaneous- inner layer	Protects the body from germs, insulates for hydration and temperature/ thermoregulation	Epidermis- Sunburn Dermis- minor cut Subcutaneous- deep wound