Name	Period	Date

THE HUMAN BODY SYSTEMS

System	Function	Diagram	Major Organs	Interactions- Working with Other Systems
Digestive	1. take in food (ingestion) 2. digest food into smaller molecules and absorb nutrients 3. remove undigestable food from body (feces)		Mouth, esophagus, stomach, Sm. Intestine, Lg. intestine, rectum, anus Salivary glands, pancreas, liver, gall bladder	w/circulatory - absorb & deliver the digested nutrients to the cells w/muscular - control the contractions of many of the digestive organs to pass food along w/nervous - hypothalamus maintains homeostasis by triggering appetite (stomach growling), digest.
Circulatory	Transport materials to and from cells	M	Heart Veins Arteries Capillaries Red blood cells	1. w/respiratory - deliver O2 from lungs to cells and drop off CO2 from cells to lungs 2. w/digestive - absorb and deliver digested nutrients to cells 3. w/excretory - kidneys filter cellular waste out of blood for removal 4. w/lymphatic - both transport things to and from cells 5. w/immune - transports WBCs throughout body to fight disease 6. w/nervous - brain controls heartbeat 7. w/endocrine - trans hormones
Nervous	1. gathers and interprets information 2. responds to information 3. helps maintain homeostasis	1	Brain Spinal cord Nerves Nerve cells = neurons hypothalamus	Controls all other systems Hypothalamus - maintains homeostasis by working with all systems

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Joacim Rocklöv

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