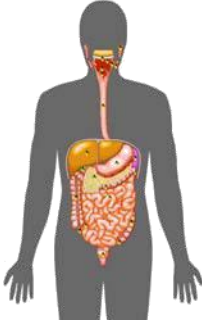


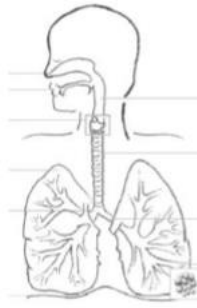
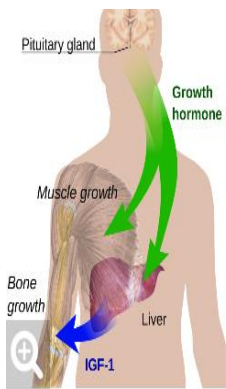


Name _____ Period _____ Date _____

THE HUMAN BODY SYSTEMS

System	Function	Diagram	Major Organs	Interactions - Working with Other Systems
Digestive	<p>1. takes in _____ (ingestion - when food is taken inside the body)</p> <p>2. digest food into smaller molecules and absorb nutrients</p> <p>3. removes indigestible food from body (feces)</p>		<p>Mouth, Esophagus, Stomach, Sm. Intestine, Lg. Intestine, Rectum, Anus Salivary Glands, Pancreas, Liver, Gall Bladder</p>	<p>1. works with the circulatory system - absorb & deliver the digested nutrients to the cells.</p> <p>2. works with the muscular system - control the contractions of many of the digestive organs to pass food along.</p> <p>3. works with the nervous system - hypothalamus maintains homeostasis by triggering appetite (stomach growling), digest.</p>
Circulatory	<p>What is the main function of the circulatory system?</p>		<p>Heart</p> <p>Veins</p> <p>Arteries</p> <p>Capillaries</p> <p>Red blood cells</p>	<p>1. works with the respiratory system - deliver O₂ from lungs to cells and drop off CO₂ from cells to lungs</p> <p>2. works with the digestive system - absorbs and delivers digested nutrients to cells</p> <p>3. works with the excretory system - kidneys filter cellular waste out of blood for removal</p> <p>4. works with the lymphatic system - both transport things to and from cells</p> <p>5. works with the immune system - transports WBCs throughout body to fight disease</p> <p>6. works with the nervous system - Brain controls - Heartbeat</p> <p>7. works with the endocrine system - trans. hormones</p>
System	Function	Diagram	Major Organs	Interactions - Working with Other Systems

<p>Nervous</p>	<p>1. _____ and interprets information</p> <p>2. responds to information</p> <p>3. helps maintain _____.</p>		<p>Brain</p> <p>Spinal cord</p> <p>Nerves</p> <p>Nerve cells = Neurons</p> <p>Hypothalamus</p>	<p>Systems (is a part of all the other body systems)</p> <p>Hypothalamus - maintains homeostasis by working with all systems</p>
<p>Respiratory</p>	<p>Takes in _____ and removes _____</p> <p>_____ and water.</p>		<p>Nose</p> <p>Trachea</p> <p>Bronchi</p> <p>Bronchioles</p> <p>Alveoli</p> <p>Lungs</p>	<p>1. works with the circulatory system - takes in O₂ for delivery to cells and removes CO₂ brought from cells</p> <p>2. works with excretory system - removes excretory waste</p> <p>3. works with the nervous system - controls breathing</p> <p>4. works with the muscular system - diaphragm controls breathing</p>
<p>Endocrine</p>	<p>*Regulates body activities using _____.</p> <p>*Slow response, long lasting</p> <p>The endocrine system is also known as what system?</p> <p>_____</p> <p>_____</p>		<p>Glands</p> <p>*Hypothalamus</p> <p>*Pituitary</p> <p>*Thyroid</p> <p>*Thymus</p> <p>*Adrenal</p> <p>*Pancreas</p> <p>*Ovaries</p> <p>*Testes</p> <p>Glands produce Hormones</p>	<p>1. w/circulatory - transports hormones to target organs</p> <p>2. w/nervous - maintain homeostasis, hormone release</p> <p>3. w/reproductive - controlled by hormones</p> <p>4. w/skeletal - controls growth of bones</p>

Brain pop about body systems and a worksheet with good practice constructed responses

<https://www.brainpop.com/health/bodysystems/bodysystems/worksheet/>

Newsela

<https://newsela.com/rules/saved-by-me>

YouTube video – circulatory system

<https://www.bing.com/videos/search?q=video+about+the+circulatory+system&&view=detail&mid=FC012A69465A5B47A74BFC012A69465A5B47A74B&&FORM=VRDGAR>

Study Jams

<http://studyjams.scholastic.com/studyjams/jams/science/human-body/respiratory-system.htm>

Brain pop – build a body

<https://www.brainpop.com/games/buildabodyexcretorysystem/>