



Body Systems Poster Project

Objective

To create a life-size poster of the Amazing Human body with all of the major systems represented.

Directions

1. Working with your group trace an outline of your body on the paper provided. Position yourself like the picture to the left of the directions. **MAKE THE FACE FACING RIGHT!**
2. In/on the body you will include all of the components described below for your assigned system.
3. ALL PICTURES MUST BE HAND DRAWN.
4. Include the function of your system. Note: Some systems have many functions. YOUR FUNCTIONS SHOULD BE 1-2 SENTENCES IN YOUR OWN WORDS- NO LENGTHY PARAGRAPHS. You must include labels for all structures. Include information that explains the function of the structures that are underlined.
5. Include how at least 3 other body systems work together with your system. This should be 2-4 sentences maximum. Example: *The respiratory system works with the circulatory system by providing oxygen to the red blood cells to deliver to the cells of the body.*
6. Plan your poster carefully, pay attention to detail and look at the rubric to help you better understand what is expected of you. Be thoughtful and creative when planning how you will fit all of the required information onto the poster. **Your poster must be neat and easy to read.**
7. Use your book, the Internet and other resources to help you.

Body System	Structures
Cardiovascular (Circulatory)	<u>Heart</u> and its 4 chambers, <u>major arteries</u> and veins in the center of the body
Respiratory	<u>Nose</u> , trachea, lungs, <u>alveoli</u> (detail showing gas exchange), and <u>diaphragm</u>
Nervous	<u>Brain</u> (with its lobes labeled and defined), <u>spinal cord</u> (only needs to go through the neck), sensory and motor neuron (to some part of the body), detail the parts of a neuron (close up view)
Muscular	Give an example of each of the three types of muscle tissue. Draw in the <u>biceps</u> and <u>triceps</u> , and quadriceps.
Skeletal	Include at least <u>one bone</u> for each region of the body. Regions include the following: arms, legs, torso, and head. Show the structure of the inside of the <u>femur</u> .
Endocrine/ Reproductive	Decide if you have a boy or a girl and represent the appropriate parts. Include the <u>thyroid</u> , <u>hypothalamus</u> , <u>pituitary</u> , <u>pancreas</u> , <u>adrenals</u> and identify one major <u>reproductive organ</u> of the appropriate sex.
Excretory (Urinary)	<u>Kidney</u> (include internal structure), <u>ureter</u> , <u>bladder</u> , <u>urethra</u> , show flow of urine through the system.
Integumentary, Immune, Lymphatic	Pick a section of the poster and show the layers of the skin, a <u>sweat gland</u> , and, sebaceous(oil) gland (can be off to the side of the body). Draw <u>blood cells</u> in a blood vessel and or body tissues and an example of the lymphatic drainage down one side of the body.
Digestive	Mouth, esophagus, <u>stomach</u> , <u>small intestines</u> , <u>large intestines</u> , rectum, anus. Explain the difference between chemical and mechanical digestion. Define peristalsis

THINGS TO DO FOR HW: Make labels, research organ functions, and write out system connections.

Rubric

CATEGORY	5	4	3	2 or less
Use of Class Time/stamps	Used time well during each class period. Focused on getting the project done. Never distracted others.	Used time well during each class period. Usually focused on getting the project done and never distracted others.	Used some of the time well during each class period. There was some focus on getting the project done but occasionally distracted others.	Did not use class time to focus on the project OR often distracted others.
Content/Accuracy labels, functions	All facts on the poster are accurate. Content is thorough.	Most facts are displayed on the poster and are accurate.	Some facts are displayed on the poster and accurate.	Few - less than 5 accurate facts are displayed on the poster.
Required Systems- all systems present	Your system is present with <u>more than the required structures present</u> and complete.	Your system is present and complete.	System is present but some may be missing or incomplete.	System is missing and or incomplete.
Organ Connections	All possible organs are properly connected.	Some organs are connected.	A few organs are connected.	No organs are connected.
System connections	Poster contains <u>more than 3</u> well-described system connections.	Poster contains at least 2 well described system connections.	System connections are not well described.	System connections are not complete
Attractiveness	The poster is <u>EXCEPTIONALLY</u> attractive in terms of design, layout, and neatness.	The poster is attractive in terms of design, layout and neatness.	The poster is acceptably attractive though it may be a bit messy.	The poster is distractingly messy or very poorly designed. It is not attractive.