

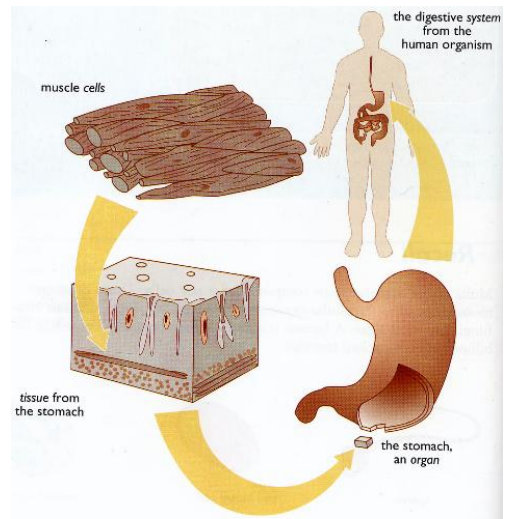
Body System Poster

HASPI Medical Anatomy & Physiology 01d

Poster Activity

Background

The human body is a very complex system. There are more than 50 trillion single cells in the human body made up of more than 200 different cell types, and each perform a different function. For example, the primary function of red blood cells is to carry oxygen while the primary function of a muscle cell is contraction. Each cell type is shaped differently depending on its function. When groups of cells that perform the same or similar function are combined, a tissue is created. When a group of tissues combines to perform a function, an organ results; and a group of organs performing a combined function results in the body systems. The eleven primary body systems are the digestive, endocrine, excretory, reproductive, respiratory, circulatory, nervous, lymphatic/immune, muscular, skeletal, and integumentary.



<http://4hblogsites.files.wordpress.com/2011/07/webquest-stomach-system-473x495.jpg>

Materials

Butcher Paper
Markers/Colored Pencils
Anatomy Textbook

Procedure

✓ when complete

Step 1	Choose a student in your group to be the body model.	
Step 2	Obtain a sheet of butcher paper that is at least as long as him or her	
Step 3	Have the body model lay down in "anatomical position" (flat on back, palms facing up) on the butcher paper. <i>NOTE: Make sure there is no debris under the butcher paper before the body model lies down.</i>	
Step 4	Using a pencil, outline the body model onto the butcher paper.	
Step 5	Once the outline is complete, make any needed adjustments so it actually looks like the outline of a human body.	
Step 6	Your teacher will assign your group one of the following body systems: Digestive, Nervous, Circulatory, Endocrine, Excretory, Lymphatic, Respiratory, Muscular, Skeletal, Reproductive, or Integumentary.	
Step 7	Your group will need to include all of the following on your poster related to the body system assigned to your group: <ul style="list-style-type: none"> Title and function of the body system Draw all of the organs that are part of the body system Label and function of each organ Draw AND/OR label at least 5 diseases/disorders related to the organs of the body system (this can be done on the paper to the side of the actual body, or on separate sheets of paper attached to the poster) 	
Step 8	Use the rubric to obtain a better understanding of the grading expectations.	
Step 9	Use the textbook/internet resources to find the information needed for the poster.	
Step 10	BE CREATIVE! Add color, clothes, background, decorations, removable labels, etc.	

Rubric

The following rubric will be used for grading each body system poster.

Group Member(s): _____

Body System: _____ Date: _____

CATEGORY	Full Pts.		Partial Pts.		No Pts.	Grade
Use of Class Time (10 points)	Used time well during each class period. Consistently focused on getting the project done. Never distracted others. (10)	Used time well during each class period. Usually focused on getting the project done and rarely distracted others. (8)	Used some of the time well during class period. Some focus on getting the project done but occasionally distracted others. (6)	Did not use class time to focus on the project and/or often distracted others. (4)	Did not use class time to work on project at all. Disengaged and/or total distraction (2)	/10
Labels (15 points)	All items of importance on the poster are clearly labeled with identifiers that can be read at least 3 ft. away. (15)	Almost all items of importance on the poster are clearly labeled and can be read from at least 3 ft. away. (12)	Several items of importance on the poster are clearly labeled. Labels can be read from at least 3 ft. away. (9)	Labels are too small to view and/or many important items were not labeled. (6)	Required items were not labeled at all. (3)	/15
Content (25 points)	The poster includes all required elements as well as additional information. (25)	All required elements are included on the poster. (20)	All but 1 of the required elements are included on the poster. (15)	Several required elements are missing. (10)	Most of the required elements are missing. (5)	/25
Content Accuracy (15 points)	All facts on the poster are accurate. (15)	Mostly accurate facts are displayed, and there are 10 or more facts present. (12)	50% of the facts on the poster are accurate. (9)	Few of the facts are accurate and/or are not displayed on the poster. (6)	Little to no accuracy recorded on poster. (3)	/15
Attractiveness (5 points)	The poster is exceptionally attractive in terms of design, layout, and neatness. (5)	The poster is attractive in terms of design, layout and neatness. (4)	The poster is acceptably attractive though it appears a bit messy. (3)	The poster is distractingly messy or very poorly designed. It is not attractive. (2)	The poster appears as if little to no time was invested. (1)	/5
Creativity (5 points)	The poster is exceptionally creative, with several added components and/or decorations. (5)	The poster is creative, with a few added components and/or decorations. (4)	The poster is somewhat creative with at least one added component and/or decoration. (3)	The poster has a few creative elements. (2)	The poster has no creative elements. (1)	/5
Project Grade						/75

Analysis

Complete the following chart using the group body system posters displayed around the room.

Body System	Function	Major Organs/Function	List at least 2 Diseases or Disorders
Digestive			
Circulatory			
Reproductive			
Integumentary			
Lymphatic			
Respiratory			
Muscular			
Skeletal			
Endocrine			
Excretory			
Nervous			

