

## Biology: Human Physiology

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### Organ Systems Project

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Your job is to create a poster of an assigned organ system.

Nervous System	Circulatory System	Muscular System
Endocrine System	Respiratory System	Skeletal System
Immune System	Skin/ Hair (integument) System	Digestive System
Excretory System		

The poster should be between 11X17 and 20X30 inches in size. Your poster must include all of the following elements, use color, legible writing, and be well organized.

#### Part 1: Diagram of the system:

1. Include a picture, drawing or diagram of your organ system.
  - You may print one from the Internet, but it must be easy to see AND include a reference url.
2. Label all of the major parts of your organ system

#### Part 2: How the system works

1. What important job(s) does the organ system do for you? How does it accomplish its job?
2. How does the system work with at least one other organ system?
3. Include additional pictures and descriptions of the function of three parts of the system.

Nervous System: three parts of the brain

Endocrine system: three glands

Immune System: bone marrow, lymph nodes, lymph vessels

Excretory System: kidney, bladder, ureters

Circulatory System: heart, veins, arteries

Respiratory System: lungs, diaphragm, wind pipe

Muscular System: three muscle types

Skeletal System: cranial bones, rib cage, vertebrae

Digestive System: stomach, large intestines, small intestines

Integument System: skin, excretory glands, hair

#### Part 3: Disease and your system

1. Research and identify a disease that affects your organ system.
2. How do you get this disease?
3. What are the major symptoms?
4. Treatments for the disease.

	4pts	3pts	2pts	1pts	Pts
Part 1 Diagram	Picture, drawing or diagram of the organ system is present and shows extra effort or creativity.	Picture, drawing or diagram of the correct organ system is present and easy to see	Picture, drawing or diagram of the correct organ system is present	The picture, diagram or drawing is not appropriate for the assigned organ system	
Labeling	All of the appropriate and major parts of the organ system are clearly and correctly labeled, easy to see, and correctly spelled.	Most of the appropriate and major parts of the organ system are clearly and correctly labeled and easy to identify.	Many of the major parts of the organ system are correctly labeled	Labeling of the major parts of the system has been attempted.	
Part 2: System Jobs	All of the important jobs of the organ system have been correctly identified and explained	More than one important job of the organ system has been identified and explained.	The most important job of the organ system has been identified and explained	The most important job of the organ system has been identified.	
Working with another system	A correct connection is made with another organ system and how the two systems work together is thoroughly explained.	A correct connection is made with another organ system and how the two system work together is identified.	A correct connection is made with another organ system.	At least one connection is made between organ systems	
3 major parts	The three major parts are correctly identified, have separate diagrams, and their functions are accurately explained.	The three major parts are identified, have diagrams, and have descriptions.	The three major parts are identified and have separate diagrams.	The three major parts are identified on the poster.	
Part 3 Disease/ disorder		A disease that affects or originates from the organ system is correctly identified.		A disease that relates to the organ system is identified.	
How the disease occurs		The correct mode of transmission is identified and explained		The mode of transmission is identified but not well explained	
Symptoms		Major symptoms are identified and explained.		Some symptoms have been identified.	
Treatment		The course of treatment is well explained, and alternatives have been listed.		A general or vague description of how the disease is treated is present.	

**TOTAL**

**Group Points**

IN your group, divide up 19 pts (for 4 people) and 14 pts (for 5 people) between each member

Name: \_\_\_\_\_ Group Points: \_\_\_\_\_ Total \_\_\_\_\_

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Name: \_\_\_\_\_ Group Points: \_\_\_\_\_ Total \_\_\_\_\_

Name: \_\_\_\_\_ Group Points: \_\_\_\_\_ Total \_\_\_\_\_

