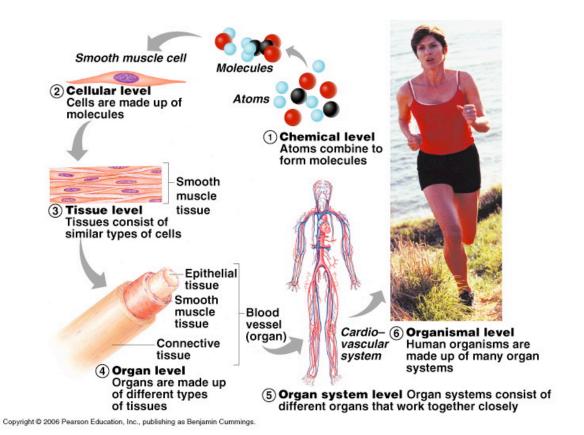
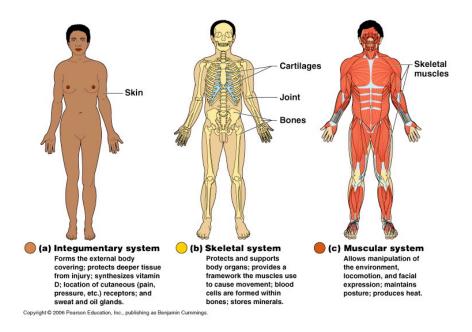
Anatomy Chapter 1

	is the study of the structure and shape of the body and its parts.		
	Can be studied on the	_ and include	
	and	·	
is the study of how the body and its parts work or function.			
	Examples include		



*Know the order of complexity in both increasing and decreasing directions.

Body Systems



_____-the external covering of the body (_____)

What are the functions of the skin?

•

•

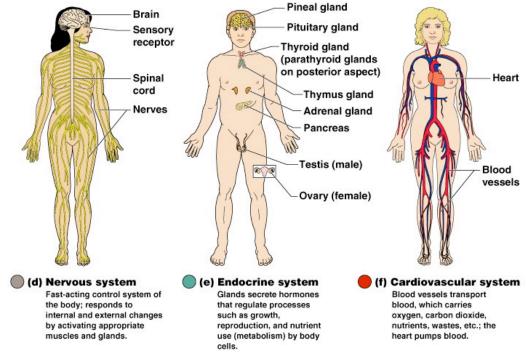
What are some types of damage the skin can incur?

What is the skeletal system composed of?

What is its function?

What are the four functions of the muscular system?

- •
- •
- •
- •



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Is the nervous system fast or slow action?

What is the function of the nervous system?

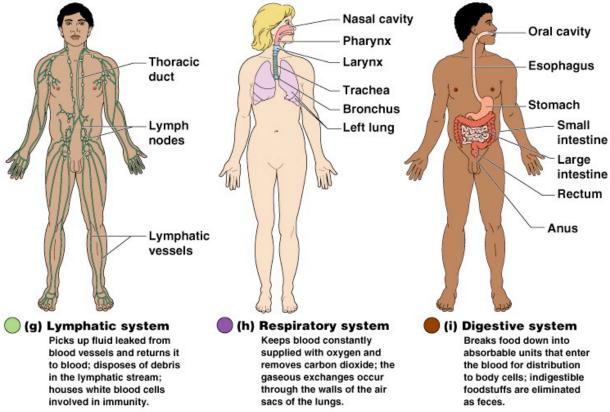
What is secreted by the endocrine system?

What is regulated by the endocrine system?

List six glands:

What pumps the blood around the circulatory system?

What is transported around the circulatory system?



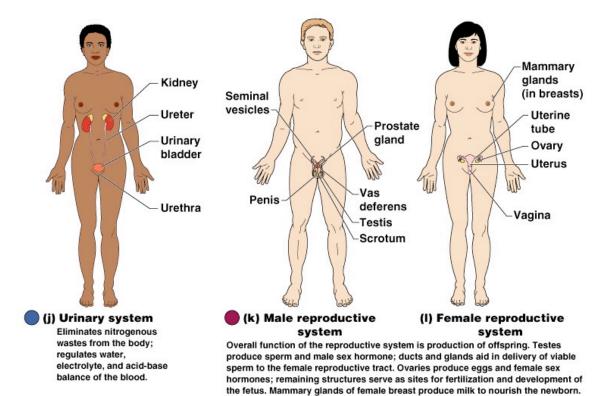
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What are the three functions of the lymphatic system?

How does the respiratory system maintain proper levels of gasses?

What organs are used?

What are the functions of the digestive system?



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What is eliminated from the excretory system?

What is regulated?

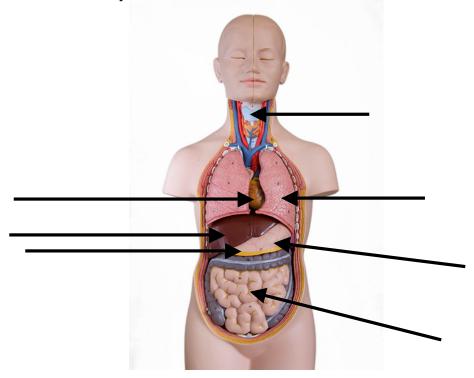
What is the function of the reproductive system?

What is produced by the male reproductive system?

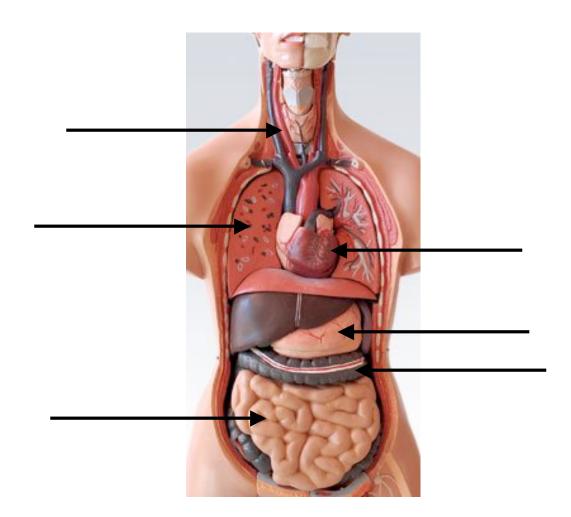
How does the female reproductive system prepare for a new baby?

- •
- •
- •
- •

Label the following on the diagram. Small Intestines, Heart, Lungs, Liver, Stomach, Large Intestines and the Pharynx.



Label the following on the diagram. Small Intestines, Heart, Lungs, Blood Vessels, Stomach, and Large Intestines.



Maintaining Boundaries

Keeps the body's internal environment distinct from the external environment.
Movement- Includes all the activities promoted by the system. Examples include:
Responsiveness-Ability to react to
Major role of the system.
Digestion-Food ingested is broken down to its chemical
Metabolism-All reactions that occur within body cells.
complex molecules into smaller ones and makes larger
molecules from smaller ones.
Uses nutrients and oxygen to produce Process called
 Regulated by hormones secreted by the glands of the endocrine system.
Excretion-Elimination of by the lungs and elimination of
wastes by the kidneys.
Reproduction-Provides new cells forand
Growth-Increase the number of cells than they are
Survival Needs
Nutrients-Taken in via the diet and contain chemicals used for energy and cell building.
Examples include:
Maton 0/ of the heady a weight that a second as florid for heady
Water% of the body's weight that provides fluid for body's

Oxygen-Oxygen is necessary to release energlace in the body.	rgy from chemical reactions that take
Needed to release	from food.
•% of the air we breathe is oxy	ygen.
Body Temperature- Must remain attemp is too high or too low?	() What happens if the
support metabolic activity.	on the pressure exerted on the body. ssure) gas exchange may be to low to ygen tanks because oxygen is needed to
Homeostasis-The tendency of the body's sy or balanced internal environment.	stems to maintain a relatively
Homeostatic Control Mechanisms-Communessential. • The and responsible through chemical or elections.	systems are chiefly
Receptor-A sensor that monitors changes in Message is sent to the control center along Control Center-Analyzes the information frappropriate response.	the afferent pathway
 Effector-Control center determines the resp Provides the means for the control of efferent pathway. The effector is usually a muscle or gl 	centers response to the stimulus along the
T	

Negative Feedback Mechanism-The net effect of the response to the stimulus is to _____ the original stimulus or reduce its effects.

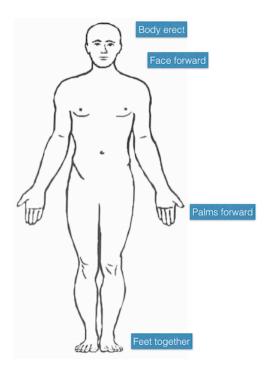
- Example-body releases insulin when sugar is ingested.
- Most common feedback system in the body.

Positive Feedback Mechanisms-_____ or _____ the original stimulus.

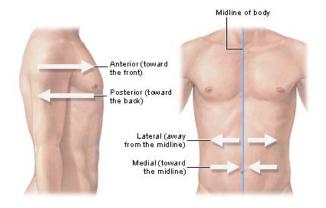
• Examples are blood clotting or the birth of a baby.

Language of Anatomy

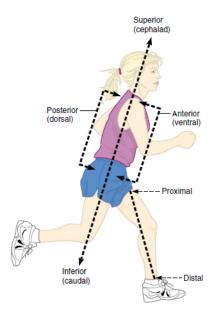
Anatomical position is when someone is facing you with their hands and feet parallel and palms are facing outward.

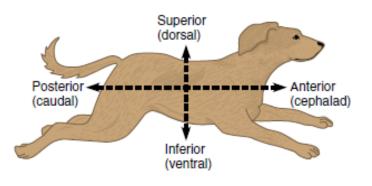


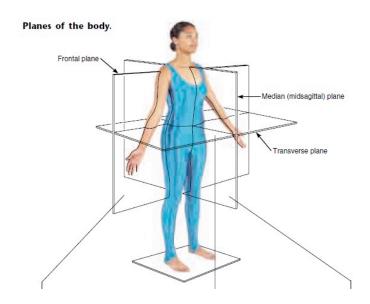
Medial vs Lateral











Body Cavities

Dorsal Body Cavities

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Ventral Body Cavities

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