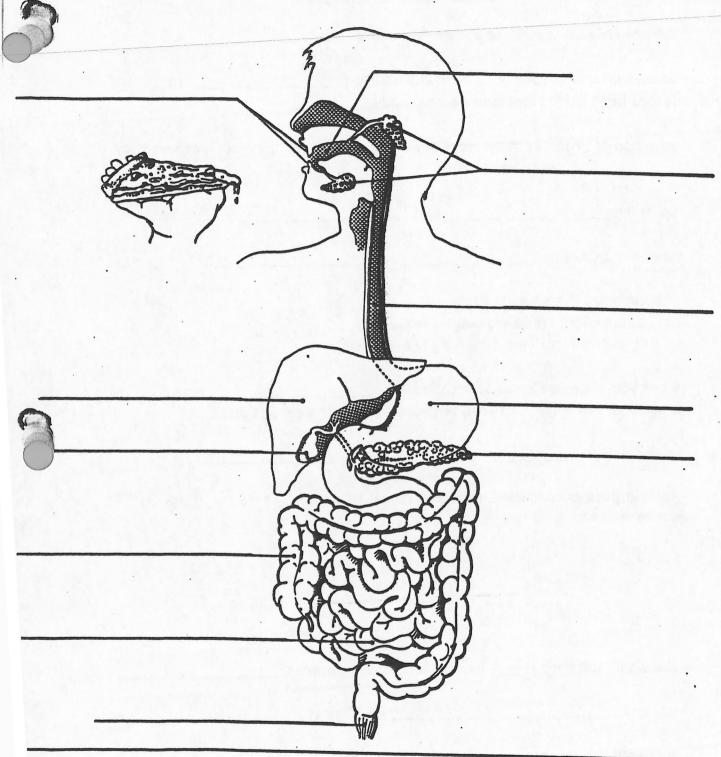
JUC	Digestive	System
	- 19 - 1111	

Name ____

bel the parts of your digestive system.



WORD BANK

pancreas stomach esophagus salivary glands

liver mouth teeth anus gall bladder large intestine small intestine

Topic 3.1 Digestive System

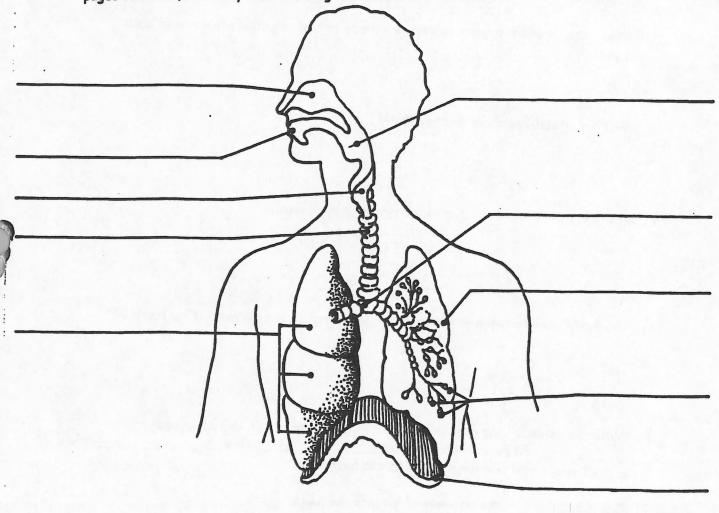
Fill in the blanks in the following point form notes:					
- organ systems in your body have the ability to to changes both within and outside your body.					
- your body's organ systems work together and depend upon each other; they with each other.					
- lipids are and					
- carbohydrates are and					
 two types of digestion: 1. chemical - (describe and give an example) 2. mechanical - (describe and give an example) 					
- when you chew, a flap of skin called the moves across your windpipe, and food is funnelled into the esophagus.					
- peristalsis is					
- gastric juice is composed of four different things. (List the four things and describe what each thing does)					
1. 2. 3. 4.					
- the small intestine is meters long and it absorbs					
- villi arethat,					
- microvilli					
- the large intestine ismeters long and it absorbs,					



Your body needs oxygen in order to survive, and it also must rid itself of carbon dioxide.

Both of these needs are met by breathing. Breathing is the process your respiratory system uses to move air in and out of your lungs.

Using your knowledge of the Respiratory System and your Science in Action textbook, pages 132-134, correctly label the diagram below.



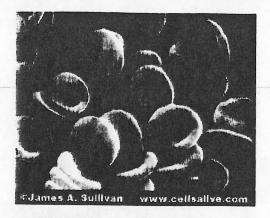
Unit B: Cells and Systems Topic 3.2 Respiratory System Vocabulary Exercise

you inhale these muscles contract, pulling your up and your down. 2) A. The respiratory system draws air into the lungs through a series of tube-like passageways called B. Describe what these passageways are made of and why they are made of such material? 3) What are alveoli and what do they do? 4) What role do bronchioles play in the respiratory system? 5) Your body needs oxygen in order to survive. What waste gas must it rid itself of? 6) When you exhale your diaphragm and rib muscles relax. In this case, your ribs go and your diaphragm goes This the size of your chest and lungs which forces air out. 7) Describe, in order, the pathway of air into the lungs.	1)	Breathing occurs because of your rib cage and muscles. When
B. Describe what these passageways are made of and why they are made of such material? 3) What are alveoli and what do they do? 4) What role do bronchioles play in the respiratory system? 5) Your body needs oxygen in order to survive. What waste gas must it rid itself of? 6) When you exhale your diaphragm and rib muscles relax. In this case, your ribs go and your diaphragm goes This the size of your chest and lungs which forces air out.		
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and your diaphragm goes This the size of your chest and lungs which forces air out.	5)	Your body needs oxygen in order to survive. What waste gas must it rid itself of?
	6)	and your diaphragm goes This the
	7)	

Parts of Blood

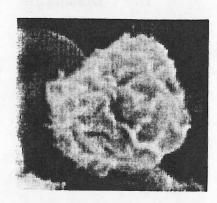
Part:

Function:



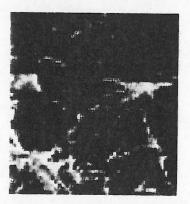
Part:

Function



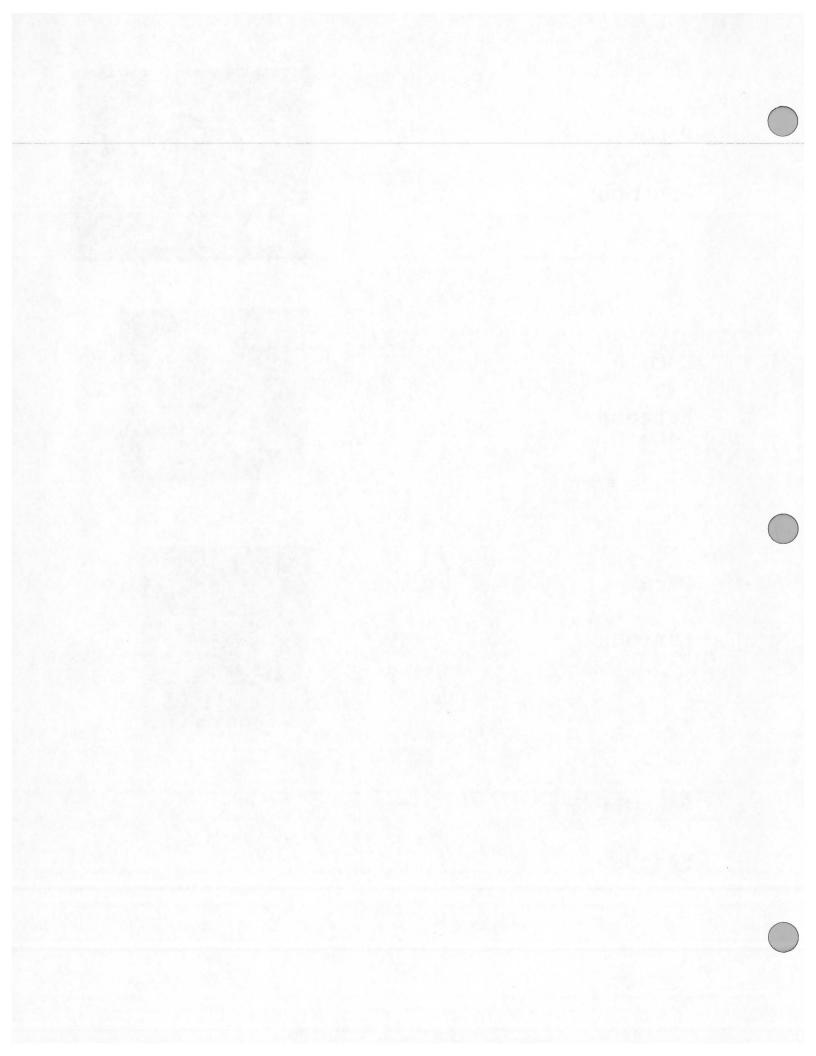
Part:

Function



Part (fluid):

Function

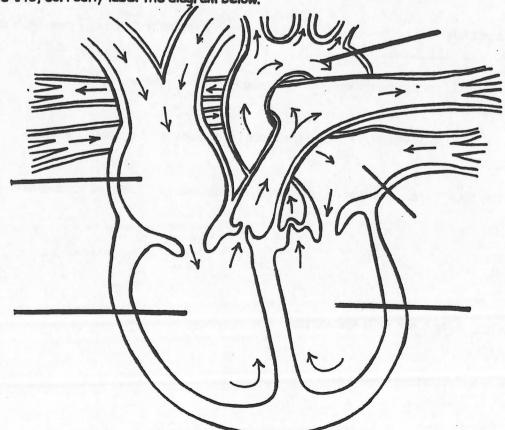




1. Using your own words, describe the role of the left side and right side of your heart.

2.	Each side of the heart is divided into two chambers. What	are these chambers called?
	and	e der Mererki til je vist
3.	Vessels that carry blood away from the heart are called _	Blood is
	returned to the heart from the body in	Nutrients and gases are
	exchanged in special vessels called	

Using your knowledge of the *Circulatory System* and your Science in Action textbook, pages 135-140, correctly label the diagram below.





Unit B: Cells and Systems 3.3 Circulatory System Vocabulary Exercise



1)	The circulatory system's job is to deliver absorbed by your digestive system to each cell in your body.
2)	Capillaries have 2 adaptations for exchanging gases/nutrients. Identify and describe.
3)	Describe in detail what roles the right AND left sides of the heart play.
4)	Describe the different jobs that the atria AND the ventricles have.
5)	A. The vessels that carry blood away from your heart to all the parts of your body are called
	B. The vessels that return blood from your body to the heart are called
	C. The diffusion of nutrients and gases occurs in specialised blood vessels called
6) List the four different types of cells and materials that are found in human blood.
	i. ii.
	iii. iv.
7	How are white blood cells specialised?
8) How are platelets specialised?

The Excretory System

Directions: Use Pages 141-145 in your textbook to complete the following.

1.) Label the following diagram: 2.) Define Excretion: When cells break down proteins, they produce ____ The liver then takes that ammonia out of the bloodstream and converts it into 4.) Every kidney is about ______ long. They act as ______ to the blood by straining out ____ and they produce 5.) The kidney is made up of millions of ______. 6.) Glands in your skin remove extra salt in your body by ____ 7.) People with diabetes will often have ______ in their urine. People with kidney failure will often have _____ in their urine. People with kidney dysfunction can use a technology called a _ that performs the job of the kidney. Formation of Urine 1) The bladder expands and can hold ______ of urine. When it is full, the bladder pushes the urine out through the _____ 2) The blood enters the kidney by the _ 3) The ureter transports the urine from the kidney to the _____ 4) The nephrons filter the blood. 5) The clean filtered blood returns to the body through the _____ and the urine flows out of the kidney through the The steps listed above (1-5) are NOT in the correct order for the formation of urine. Place these steps in the correct order starting with the first step involved in the formation of urine and ending in the last step. (first step) _ ____ (last step)



THE NERVOUS SYSTEM

1) The nervous system is made up of millions of specialized cells called ______.

2) List and describe the roles of the two main divisions of the nervous system?

3) On a diagram, draw and label the 2 main divisions of the nervous system.

4) Compare the roles of the Sensory neurons and the Motor neurons.

5) What is the main difference between the Somatic Nervous System and the Autonomic Nervous System?

Label the Neuron

Read the definitions, then label the neuron diagram below.

axon - the long extension of a neuron that carries nerve impulses away from the body of the cell.

axon terminals - the hair-like ends of the axon

cell body - the cell body of the neuron; it contains the nucleus (also called the soma)

dendrites - the branching structure of a neuron that receives messages (attached to the cell body) myelin sheath - the fatty substance that surrounds and protects some nerve fibers

node of Ranvier - one of the many gaps in the myelin sheath - this is where the action potential occurs during saltatory conduction along the axon

nucleus - the organelle in the cell body of the neuron that contains the genetic material of the cell

Schwann's cells - cells that produce myelin - they are located within the myelin sheath.

