

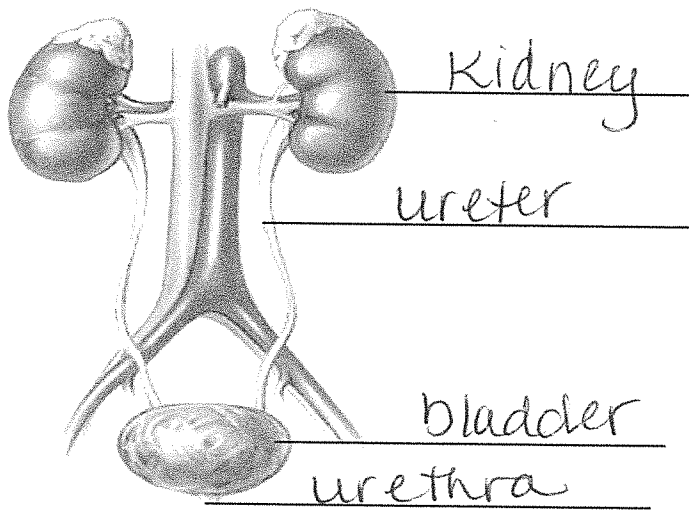
Name: KEY Date: _____ Period: _____

The Digestive System Study Guide

1. Name the main function and major organ(s) of the Digestive System
digest and absorb nutrients from the food we eat → Stomach and small intestines
2. List the digestive tract organs in order that food passes through.
mouth, esophagus, stomach, small intestines, large intestines
3. Food becomes a thin, watery liquid in the stomach called chyme.
4. Digestion is the process by which food is broken down so that nutrients can be used by the body.
5. Enzymes aids in chemical digestion by speeding up chemical reactions in the body.
6. The enzyme Bile is produced by the liver.
7. Which organ maintains homeostasis in the digestive system and how does it do this?
large intestines, absorbs water from undigested chyme and returns it to the body
8. Name the organs associated with mechanical digestion.
teeth, tongue, stomach muscles
9. Name the organs associated with chemical digestion.
salivary glands, stomach acid
10. Chewing is an example of which type of digestion: chemical or mechanical?
11. Name the major digestive organ where NO digestion takes place.
esophagus
12. What organ changes the food we eat into chyme?
stomach
13. What is the role of the villi (why are they important) and where are they located?
to increase surface area to absorb more nutrients → small intestines
14. What is peristalsis?
waves of muscular contractions
15. In which 2 organs does peristalsis occur?
esophagus, stomach

The Excretory System Study Guide

1. The ureter is a tube that leads from each kidney to the bladder
2. Name the major organs of urinary system Kidneys
3. What are the filtering units of the kidneys? nephron
4. What organ holds urine until it is excreted? bladder
5. List the major excretory organs. urinary system, digestive system, skin, respiratory system
6. List three functions of the urinary system.
 - rids the blood of wastes produced by cells
 - removes excess water from the blood
 - balances the amount of salts and water in the body
7. What is the function of the kidneys?
to filter the blood
8. What is the waste fluid held in the bladder?
urine
11. What do the ureters do? Bladder?
transport waste from the kidneys to the bladder, the Bladder holds the waste until its released from the body
12. What is the urethra?
tube leading from the bladder out of the body
14. Label the following diagram



15. What happens when the kidneys don't work?
waste builds up in the blood and can act as poisons, damage organs
16. Why is skin considered an excretory organ?
b/c you release excess salt through sweating
20. What is the process of filtering blood by an artificial kidney machine called?
dialysis

Name _____ Date _____ Group _____

DIGESTIVE SYSTEM

Place the organs of the digestive system in the correct order.

- | | |
|----------------------------|-----------------|
| 1. <u>Mouth</u> | Stomach |
| 2. <u>esophagus</u> | Esophagus |
| 3. <u>Stomach</u> | Mouth |
| 4. <u>small intestines</u> | Large Intestine |
| 5. <u>large intestines</u> | Small Intestine |

Match the organ with its proper function.

- | | |
|--|--------------------|
| <u>E</u> 1. Digestion begins here, when saliva mixes with food and the tongue and teeth break down the food. | A. Esophagus |
| <u>C</u> 2. A muscular bag where food is mixed with strong acids and enzymes and work together to break down food. | B. Large Intestine |
| <u>A</u> 3. This organ transports chewed food to the stomach. | C. Stomach |
| <u>B</u> 4. This organ absorbs water from the undigested food and returns water to the body. | D. Small Intestine |
| <u>D</u> 5. Nutrients are absorbed into the blood vessels through villi. | E. Mouth |

WHAT A WASTE!

The garbage collectors spend most of the night carrying away the waste of the medical center; some of the waste is quite interesting. Tonight they have found a discarded study sheet about waste.

The student who wrote the notes apparently was doing research or studying for a test. How much of the information has this student recorded correctly?

Look for any errors in the student's notes.
Cross out or add any organs to the sheet to make it correct.



WASTE SYSTEMS The Body's Excretory Organs

Waste-Removal Function	Names of organs that perform the function
1. Remove water from the body	kidneys, bladder , ureter
2. Remove carbon dioxide from the body	lungs, liver
3. Remove body heat	lungs , skin
4. Filter toxic substances out of the blood	kidneys, liver gall bladder
5. Remove salt from the body	skin, kidneys
6. Carry urine to bladder	ureter small intestine
7. Carry urine out of bladder	urethra Eustachian tube
8. Store urine before it is passed out of the body	bladder pancreas
9. Remove chemical wastes from the blood	kidneys, liver

10. How does the skin function as a waste-removal organ?

removes excess salt and cellular wastes
by sweating

Name _____