

Unit B Body Works Review

Name the path of food once it has been chewed using the 4 main organs.

In order for food to be absorbed into your body what type of breakdown must occur?

What is the first thing that is most responsible for Mechanical Breakdown?

Chemical Breakdown occurs mostly in what two organs?

What is transported by blood, needed by every cell, and absorbed by the small intestine?

You breath in ____ & Breath out _____.

The main function of the respiratory system

What are the three types of blood vessels?

An infection of this system would cause you to do what?

Oxygen Passes from the blood into organs through the walls of

The nose is part of what Body system?

Hepatitis is a disease of what organ?

The shape of an organ is determined by

Blood is primarily moved around the body by

Mechanical and Chemical breakdown are a part of what system? And which helps out the other one?

Describe how the human body system is organized... from largest to smallest structure...(cells, organs, organ systems, tissues)

You are walking and then decide to start running. After a few minutes, what happened to your pulse?

What is your pulse?

Blood leaving the heart may go to...

An important part of this system is to

High blood pressure can cause two major things...

Major cause of death in the U.S. today and name 3 voluntary risks....

A good model of human heart would be a

A human heart normally beats how many times per minute (range)

The human heart is what two things & What in the heart prevents blood from backflowing?

Vocabulary Review: Unit B Body Works

- 1 Function, --The actual activity of an organ or body part.
- 2 Human Body Systems, --muscular; excretory; skeletal; nervous; respiratory; digestive; circulatory.
- 3 Organ, --part of an organism; performs a certain function for the body.
- 4 Structure, --The arrangement or formation of the tissues, organs, or other parts of an organism.
- 5 Regulation, --keeping constant.
- 6 Toxin, --A poisonous substance.
- 7 Mechanical Breakdown, --Digestion through the process of chewing.
- 8 Chemical Breakdown, --Digestion through the process of stomach acid.
- 9 Absorption, --The taking in or incorporation of something; such as a gas; a liquid; light; or heat.
- 10 Cross-Section, --cutting through an object; seeing object from a side angle.
- 11 Nutrients, --A source of nourishment; especially a nourishing ingredient in a food.
- 12 Tissue, --a part of an organism consisting of cells having a similar structure and function.
- 13 Indicator, --A type of chemical that can change its appearance when mixed with certain substances.
- 14 Respiratory System, --Breathing; lungs; trachea; mouth; nose; alveoli.
- 15 Circulatory System, --transporting of blood.

Study Guide for Unit B

1. The aorta is part of the human respiratory system.
2. The order that food goes through your digestive system is: stomach, esophagus, small intestine, large intestine.
3. If your liver is damaged, carbon dioxide will build up in your body.
4. After running your pulse first decreases, then increases.
5. The digestive systems main function is to absorb nutrients.
6. Eating more calories than you use up will usually cause you to gain weight.
7. Pellagra is a disease of the liver.
8. The main function of the respiratory system is to absorb nutrients.
9. Carbon dioxide, urine and feces are all wastes produced by your body.
10. Your pulse is the number of times your heart beats in a minute.
11. Athletes who exercise regularly usually have a faster pulse rate.
12. The human body is organized in the following way, from largest to smallest: organ systems, organs, tissues, cells.
13. A trade-off of taking a medicine for a headache is that the headache might get better.
14. Alcoholism is the major cause of death in the U.S. today.
15. The shape of an organ is determined by its function.
16. Both mechanical and chemical breakdown must occur for our body to absorb food.
17. Blood transports oxygen, carbon dioxide, and nutrients.
18. Blood is mainly moved around our body by skeletal movement.
19. A model of the human heart might show it as a balloon.

20. The human heart "normally" beats about 20 to 40 times a minute.
21. An infection in the respiratory system might cause a person to have a cough.
22. Blood leaving the heart may go to the lungs.
23. The human heart is both a muscle and an organ.
24. Oxygen passes through the walls of the arteries into the organs.
25. Both saliva and the teeth are responsible for mechanical breakdown of food.
26. Chemical digestion mostly occurs in the liver and gall bladder.
27. Mechanical breakdown of food increases the speed of chemical breakdown.
28. Nutrients are absorbed in the large intestine.
29. The main function of the circulatory system is to break down food.
30. The lub dub sound of the heart is caused by the valves opening.
31. Doctors would NOT be able to hear high blood pressure with a stethoscope.
32. Blocking a coronary artery may result in a stroke.
33. Bypass surgery and angioplasty are common treatments for blocked coronary arteries.
34. High blood pressure can cause an enlarged and weakened heart.
35. A person's age is NOT a voluntary risk for heart disease.
36. Valves prevent blood from back into the heart.