

Unit B Body Works Review

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

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

esophagus, stomach, sm. intest., lg. intestine
chemical

What is the first thing most responsible for Mechanical Breakdown?

chewing

Chemical Breakdown occurs mostly in which two organs?

stomach and small intestines

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

You breathe in oxygen (O_2) and breathe out carbon dioxide ? (CO_2)

What is the main function of the respiratory system?

gas exchange

What are the three types of blood vessels?

arteries, veins, capillaries.

An infection of the respiratory system would cause you to do what?

cough

Oxygen passes from the blood into organs through the walls of

lung alveoli

The nose is part of which body system?

respiratory

Hepatitis is a disease of what organ?

liver

The shape of an organ is determined by its function (job)

Blood is primarily moved around the body by the pumping heart.

Mechanical and Chemical Breakdown are of part of what system? Which one helps the other?

Digestive, mechanical aids chemical

Describe how the human body as a system is organized from the largest to smallest structure...

(cells, organs, organ systems, tissue). organ systems, organs, tissue, cells

You are walking and then you decide to start running. After awhile, what has happened to your pulse?

It increases

What is your pulse?

The contractions of your heart measured in beats per minute.

Blood leaving the heart may go to the...?

lungs or rest of the body.

An important part of the circulatory system is to

supply the body with oxygen and nutrients.

High blood pressure can cause two major things...

damage to arteries, blood clots.

What is a major cause of death in the U.S. today, and name three voluntary risks for this disease?

Heart Disease → fatty diet, lack of exercise, smoking

A good model of the human heart would be a

double pump

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

(60-80) BPM

The human heart is what two things? What in the heart prevents the back flow of blood?

A muscle and an organ.

↓
valves