



LITTERA PUBLIC SCHOOL

CLASS 3

CHAPTER-6.

SCIENCE

OUR BODY

The human body is a single structure but it is made up of billions of smaller structures of four major kinds: cells, tissues, organs, and systems. An organ is an organization of several different kinds of tissues so arranged that together they can perform a special function. There are various organ systems in our body. They work in a coordinated manner. The main organ systems of our body are

- Skeletal System
- Muscular System
- Digestive System
- Respiratory System
- Circulatory System
- Nervous System
- Excretory System.
- Reproductive System

The Skeletal System

The hard parts of our body are the bones of our Body. There are 206 bones in our body

These bones join together to make our Skeleton. These points where the bones join together are called joints.

Functions of Skeletal System

- The Skeletal System gives shape to our body.
- It give support to other organs.
- It protects the organs inside our body from injury.

The Muscular System

The soft parts covering the bones are called muscles. There are more than 600 muscles in our body All the muscles together_ form the Muscular System.

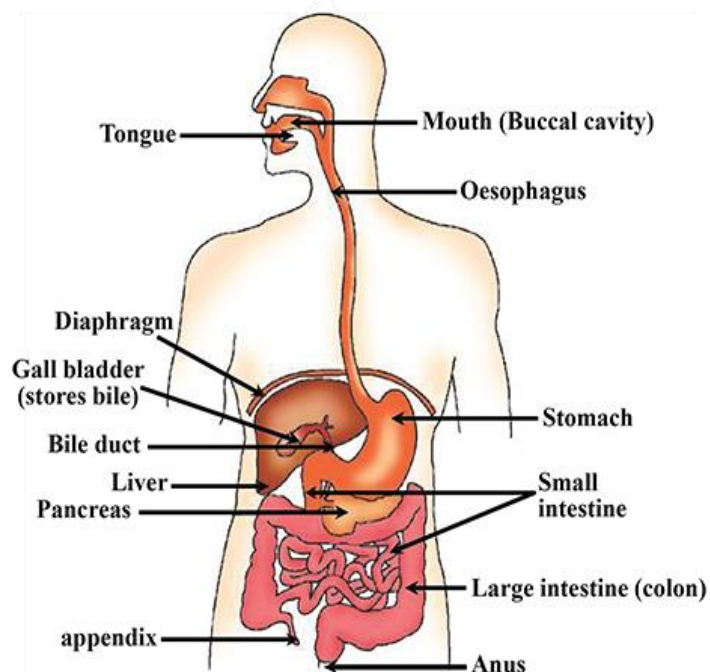
Functions of the Muscular System

- It works as the coordination with the Skeletal system helps in movement of body parts.

The Digestive System

Digestion is a vital process where complex food substances are broken down into simpler and absorbable molecules so that it could be easily absorbed by the different cells and tissues.

The digestive system plays a significant role in the digestion process, which is composed of the alimentary canal and other associated glands. The alimentary canal is divided into five main parts- mouth, oesophagus, stomach, small intestine, and lastly large intestine and anus. We eat food through our mouth and it moves to the stomach through food pipe. Inside the stomach the crushed food is mixed with digestive juices then it moves to small intestine and large intestine where most of the digestion takes place. The undigested food is discharged through the anus.



The Respiratory System

- Our respiratory system is the network of organs and tissues that help you breathe.
- This system helps our body absorb oxygen from the air so our organs can work.
- It also cleans waste gases, such as carbon dioxide, from our blood.
- The carbon dioxide from the body reaches the lungs.
- The air with carbon dioxide is then exhaled through windpipe and nose and the lungs contract.

The Circulatory System

- Blood flows throughout the body with the help of the circulatory system.
- The Circulatory System is made up of the heart, blood vessels and blood.
- The heart pumps blood in the body through blood vessels.
- When the heart pumps the blood, it makes a dub sound. The sound is called the heartbeat.

Functions of the Circulatory System

- Heart pumps the blood to and from different parts of the body.
- It carries blood to all parts of the body through tube called blood vessels.
- Blood carries oxygen and nutrients to all parts of the body.

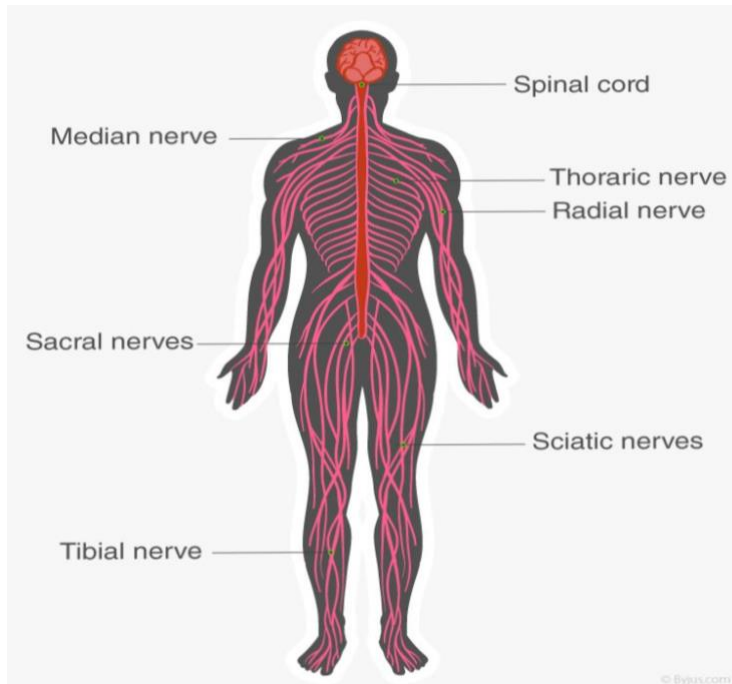
The Nervous System

- The nervous system is one of the important systems in our body.
- Our nervous system is made up of the brain, the spinal cord and millions of nerves.
- It makes them work together with the help of nerves and spinal cord.
- The sense organs are also a part of our nervous system.

Function of the Nervous System

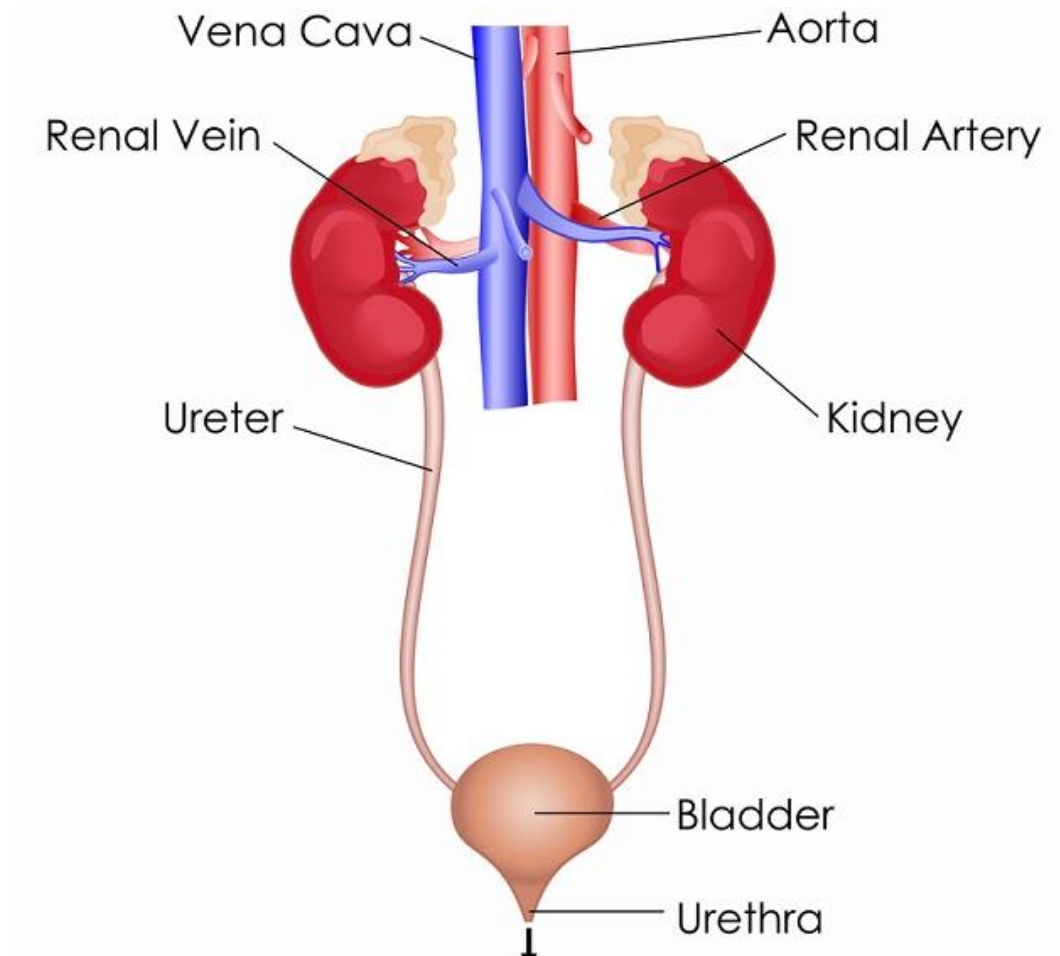
- It helps in passing information from one part of the body to another part.

- It helps the body react to changes in the



The Excretory System

- Our excretory system cleans our body by removing wastes from our body.
- The main organs of excretory system are pair of kidneys the ureters, the urinary bladder and the urethra.
- The kidneys filter the blood and produce urine.
- The ureter carry the urine from kidney to urinary bladder.
- The urine is stored in the urinary bladder and passed out of the body.



The Reproductive System

All living things reproduce. The main function of reproductive system is to produce babies.