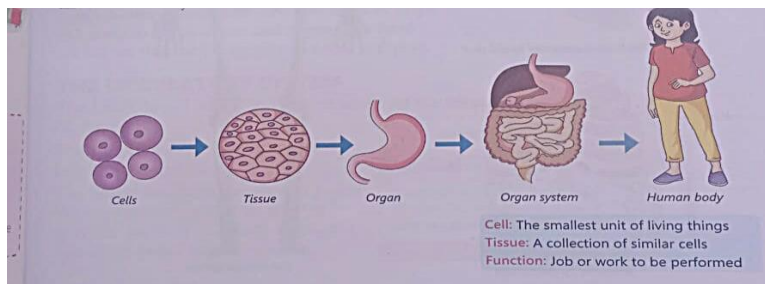


Science

Class III

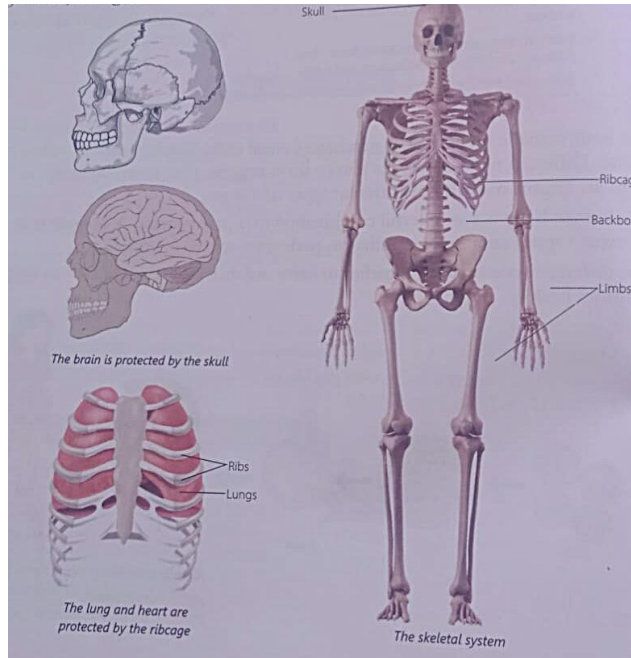
Lesson 4. Human body- organ systems

- ★ Our body is made up of small cells.
- ★ Different type of cells together form a tissue.
- ★ Different type of tissues form an organ.
- ★ A system is made up of many organs connected together to perform a special function.
- ★ The different body systems work together to carry out different types of job which keep us alive and healthy.



The skeleton system

- ★ The skeletal system is made up of bones , that are joined to form a framework known as the skeleton.
- ★ This system helps to give shape and support to the body.
- ★ Skull , Rib cage, backbone and limbs are the main parts of the skeletal system.



The Muscular System

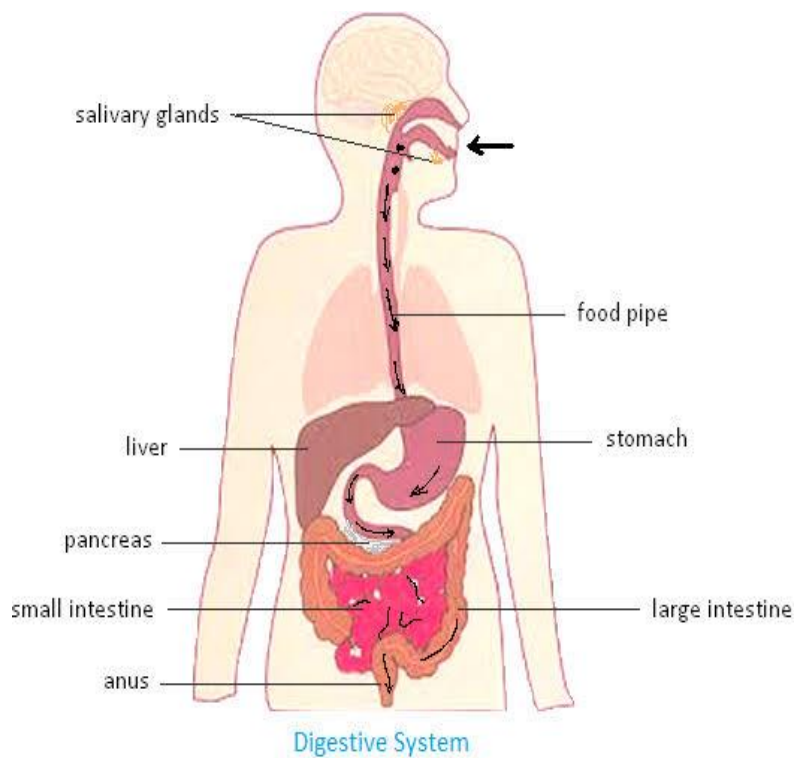
- ★ The system that help us to move is known as Muscular System.
- ★ The bones are joined to the muscles. Muscles are stretchy bands of tissues. Muscles work together which help the body to move.



- ★ There are more than 600 muscles in human body.
- ★ Our facial expression are also control by muscles.

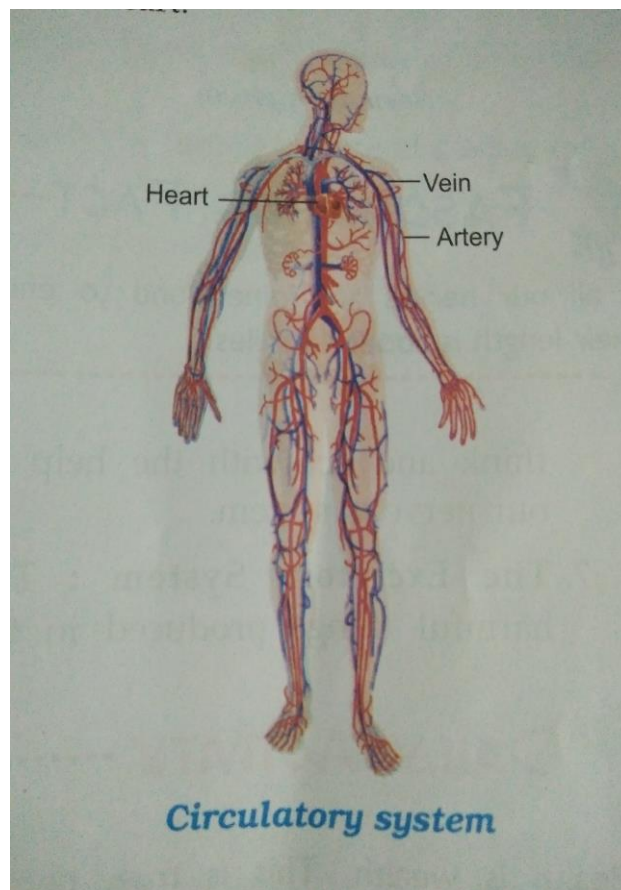
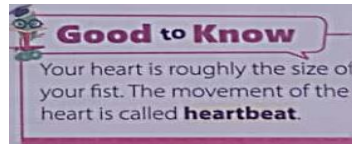
The Digestive system

- Process by which food is broken down into simple useful substances that can be used by our body to get energy is called digestion.
- Digestive System is made up of different organs such as mouth ,food pipe, stomach ,small intestine large intestine and anus.
- Digestive system help the food to digest so that we may get energy to work and play.



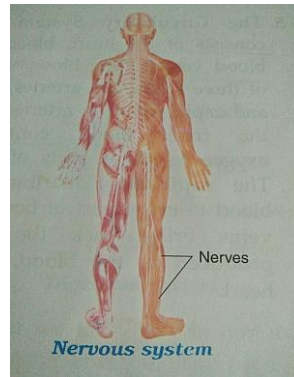
The circulatory system

- The heart , blood and blood vessels make up the circulatory system of the body .
- The heart is made up of muscles which helps to pump the blood.
- Blood carries nutrients and gases like oxygen and carbon dioxide to different parts of the body through tiny tubes called blood vessels.



The Nervous System

- The brain, spinal cord and nerves make up the nervous system .
- Brain is the main part of the nervous system .
- Nervous system help us to think, act and learn.



The sense organs

- There are five sense organs.
- Eyes helps to see things and also to see how far or near is the things.
- Ears helps to hear sounds that may be loud or soft ,pleasant or unpleasant.
- Nose allows us to smell.
- Tongue helps to taste. We can taste sweet , sour, salty and bitter things with the help of our tongue.
- Skin helps to feel pain, hot or cold ,smooth or rough is the substance.

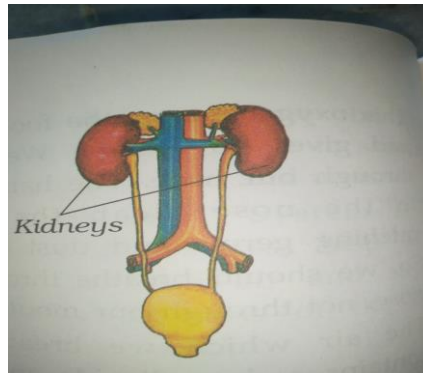


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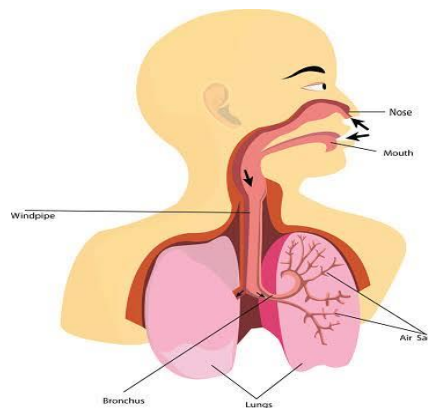
The excretory system

- This system consist of lungs ,kidney and skin.
- The main organ of excretory system is a pair of Kidneys.
- Kidney helps to to expel urine from the body.
- Lungs help to remove harmful gases like carbon dioxide from our body.
- Skin help to get rid of the Sweat.



The respiratory system

- The nose , the wind pipe and lungs make up the respiratory system .
- We breathe with the help of respiratory system. We breathe in air through our nose or mouth. Air goes down through windpipe and reaches the lungs.
- The air which we breathe in is called inhaled air while the air which we breathe out is called exhaled air.



Exercises

Objective Type Questions

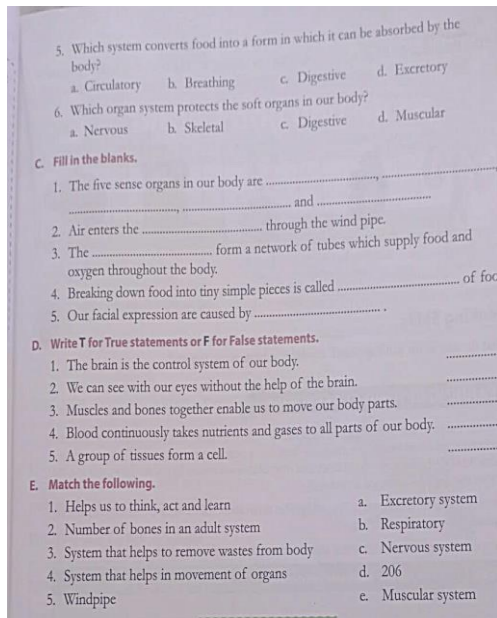
A. Name the following.

1. Helps in movement of body organs
2. Helps in breakdown of food into simple pieces
3. Framework of bones
4. Helps circulation of digested food and oxygen in body
5. Helps in breathing

B. Choose the correct option.

1. Which of these organs controls all other organs of the body?
a. Brain b. Kidneys c. Heart d. Stomach
2. Which of these is not a sense organ?
a. Nerves b. Tongue c. Skin d. Ears
3. The sense organ that enables us to feel hot and cold is:
a. nose b. eyes c. skin d. ear
4. Which of these is not a part of the circulatory system?
a. Blood b. Stomach c. Blood vessels d. Heart

Human Body—Organs



Answers

A. Name the following

1 Muscular System

5.respiratory system

2. digestive system

3.skeleton

4. Circulatory system

B. Choose the correct option

1. (a) 2.(a) 3.(c) 4. (b) 5. (c) 6. (b)

C. Fill in the blanks

1. Eyes ears, nose , tongue, skin

2. lungs

3. Blood vessels

4 . Digestion

5. muscles

D. True or false

1.true 2.false 3.true 4.true. 5.false

E. Match the following

1. c. 2. d. 3. a
4. e. 5. b

F. Answer the following questions

Q.1 Which system gives shape to our body?

Ans. Skeletal system gives shape to our body.

Q2. List the organs of the nervous system and write its function.

Ans Brain , spinal cord and nerves are the main organs of the nervous system . Nervous system helps us to think, act and learn.

Q3 Name the material that circulatory system takes from one place to another in the body .

Ans The materials that the circulatory system takes from one place to another in the body is with the help of blood , are nutrients and gases like oxygen and carbon dioxide.

Q4. What is the role of excretory system in our body ?

Ans Excretory system helps to remove harmful things like urine ,carbon dioxide and sweat from our body.