

WEEK: 11

Week Beginning: (01/06/20)

Subject: SCIENCE

Year: 6

Lesson Objective:

- Human body organs.
- How the human body works.

Keywords/ Concepts

- Brain, Heart, Lungs, Liver, Kidneys, Bladder
- Oxygen
- Carbon Dioxide
- Food
- Water

Class Questions

1. Why are organs important?
2. What do the lungs take in and what do they get rid of?
3. What does the stomach do?
4. What does the bladder store?
5. What does the liver do?
6. What do the kidneys do?
7. Where does the body get oxygen from?
8. What 3 things do we need for energy?
9. Where does blood carry waste to?

Homework

- Read and make notes for teeth.

Additional Notes

- Self-mark homework (week 10).

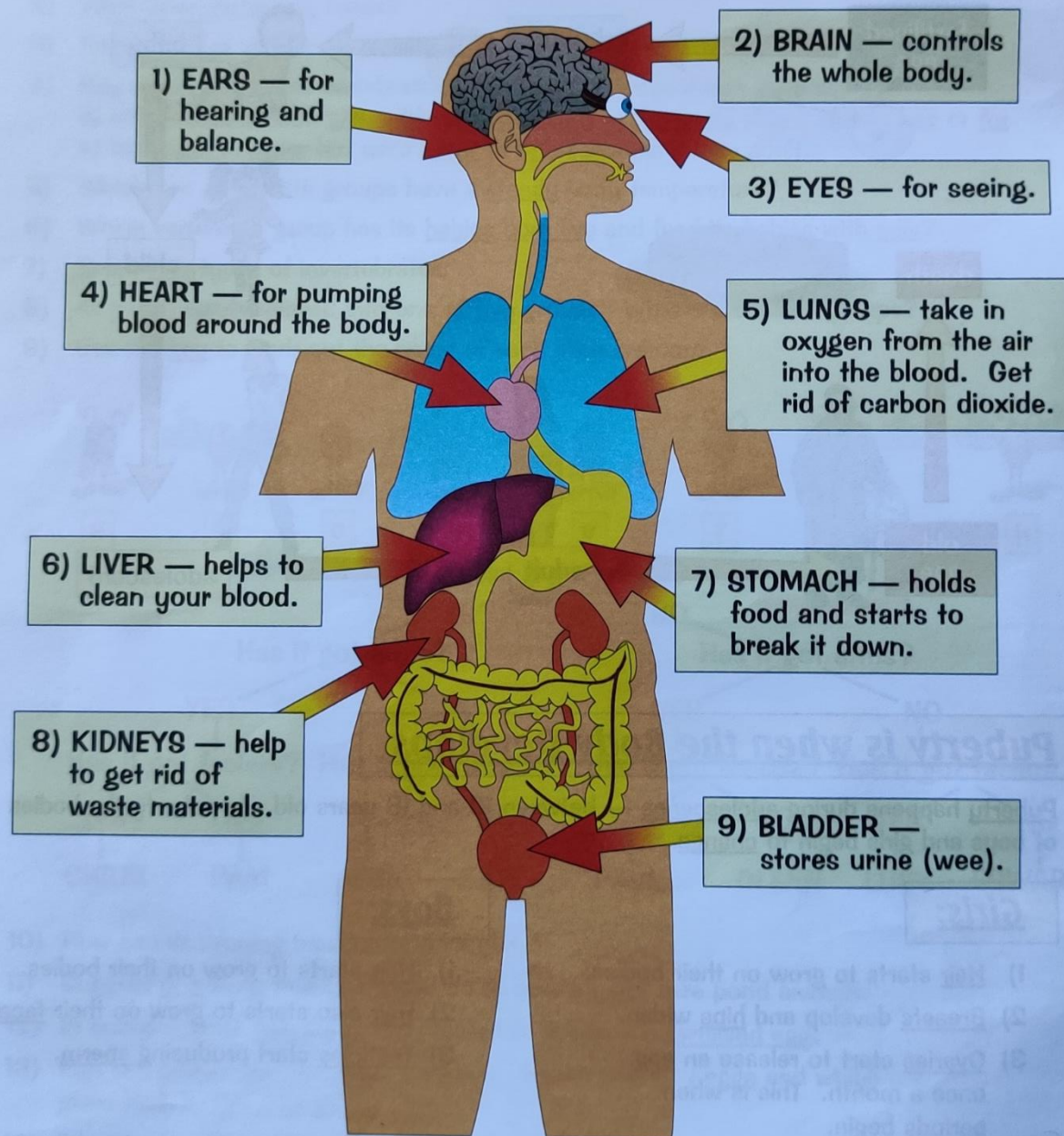
1.4 Grouping Living Things

- Q1 a) All of these are vertebrates: falcon, human, dog, frog, trout, snake.
All of these are invertebrates: snail, spider, wasp.
- b) Flowering: chestnut tree, grass.
Non-flowering: ferns, algae.
- c) Animals and plants have **features** that allow us to sort them into groups. For example, birds and mammals both breathe using **lungs**. But **mammals** give birth to live young, unlike birds which lay **eggs**.

Human Body Organs

The Major Organs of the Human Body

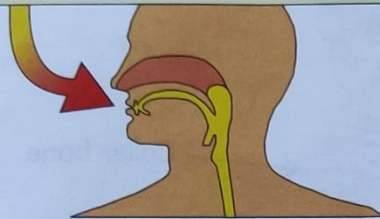
An organ is a part of the body that does a special job. On this monster of a diagram are some of the more important organs of the human body and the job they do.



How the Human Body Works

The Body does **Four** Basic Things

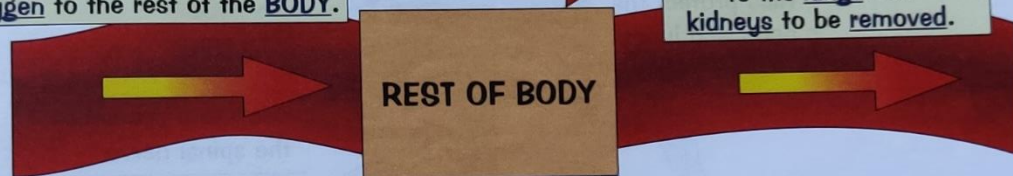
1) Your body takes in **OXYGEN** (from the air) plus **FOOD** and **WATER**.



3) Our bodies use the food we eat, and the **oxygen** we breathe in, to get **energy**. **Waste** substances are given back to the blood.

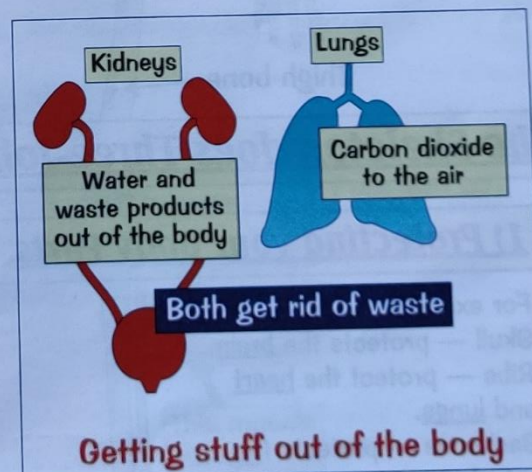
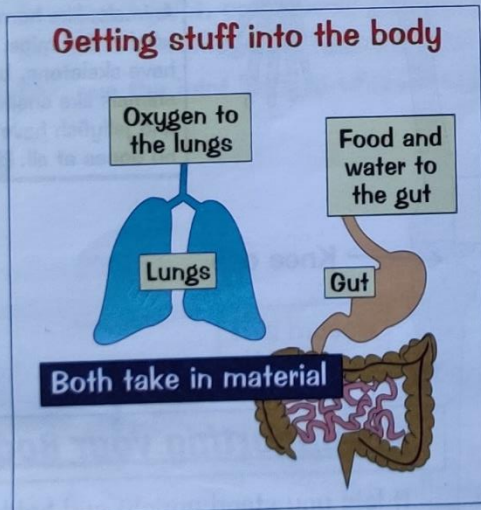
2) Blood carries **food**, **water** and **oxygen** to the rest of the **BODY**.

4) Blood carries the **waste** to the **lungs** and **kidneys** to be **removed**.



Organs are Important for Keeping the **Body** Working

Getting stuff into the body



Homework

Teeth

Teeth help you to cut, tear and crush your food before you swallow it. Humans are omnivores (they eat both plants and animals) and their teeth are designed to eat most types of food.

Humans have *Three Types of Teeth*

MOLARS:

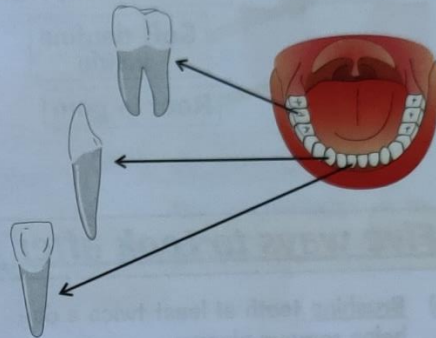
Back teeth for crushing and grinding food.

CANINES:

Canine teeth are used for gripping and tearing food.

INCISORS:

Front teeth are for snipping and cutting food.



Humans have *Two Sets of Teeth during their Lives*

- 1) **MILK** teeth (about 20 teeth)
Used from six months old, and start falling out at about five years old.

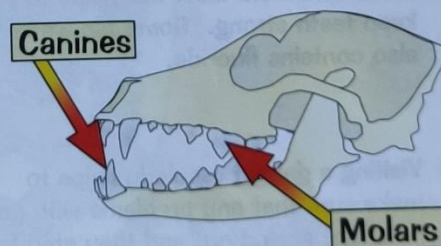


- 2) **PERMANENT** teeth (about 32 teeth)
Used from five years old to...
...depends how you look after them.

Teeth are different in other *Animals*

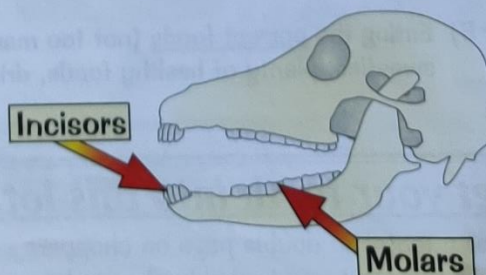
CARNIVORES (meat eaters) have teeth suited to killing other animals and tearing flesh.

Canines are long and pointed for holding and gripping flesh. Molars can crack and crush bones.



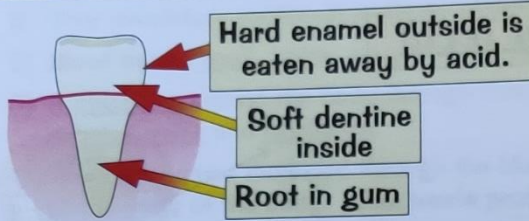
HERBIVORES (plant eaters) have teeth suited to eating plants. Incisors cut grass off.

Molars grind the grass as the jaws move side to side.



Teeth

Bacteria cause Tooth Decay



- 1) Sugar left in the mouth after eating food is eaten by **bacteria**.
- 2) The bacteria form a white sticky slime covering the teeth called **plaque**.
- 3) The bacteria in plaque produce **acid**, which rots away tooth enamel and weakens teeth.

Five ways to Look after your Teeth

- 1) **Brushing** teeth at least twice a day helps remove plaque.

Brushing



- 2) **Flossing** the teeth also helps remove plaque and bits of food which bacteria feed on.



- 3) Use toothpaste with **fluoride** in it — some scientists think this helps to keep teeth strong. Some tap water also contains fluoride.

Dentist



- 4) Visiting a **dentist** regularly helps to make sure that any problems with your teeth get sorted out and they stay healthy.



- 5) Eating the **correct foods** (not too many sweets, plenty of healthy foods, drink milk).

