

WELCOME TO THE ONLINE CLASS

DATE:17.4.2021

SESSION NO.: 5

CLASS: 4

SUBJECT: SCIENCE

CHAPTER NUMBER: 1

CHAPTER NAME: FOOD AND DIGESTION

**SUB TOPIC: DIGESTION OF FOOD- STOMACH AND SMALL
INTESTINE**

CHANGING YOUR TOMORROW

LEARNING OBJECTIVE

To enable the learner to:

- to describe the different stages of digestion.
- to know the different functions of different organs involved in the process of digestion.

WARM UP

- 1. Name the organ through which digestion begins.**
- 2. Which digestive liquid is present in the mouth?**
- 3. Name the long tube which carries food to other parts of the body.**
- 4. What is the role of teeth in our digestive system?**
- 5. Why does the taste of bread and rice taste sweet after we chew them?**

FOOD IS DIGESTED STEP BY STEP:

STEP 1: MOUTH

STEP 2: ESOPHAGUS/FOOD PIPE

STEP 3: STOMACH

STEP 4: SMALL INTESTINE

SOME ACCESSORY ORGANS:

- **LIVER**
- **PANCREAS**

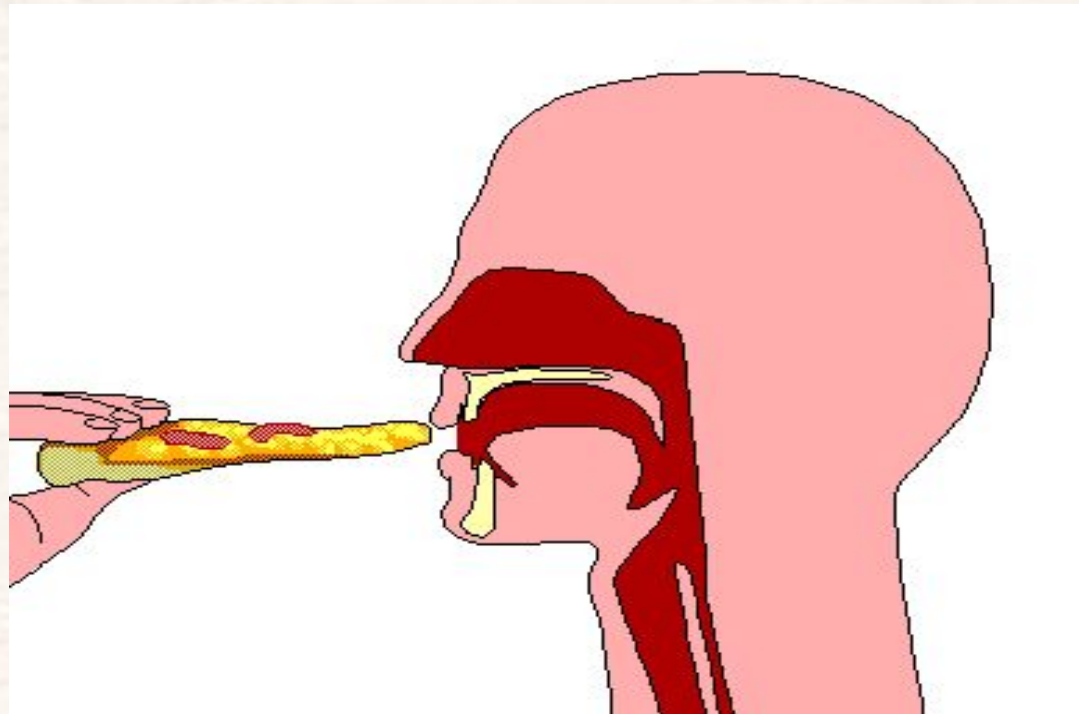
FUNCTION OF MOUTH IS

- **To more easily absorb the different foods.**
- **Our saliva helps to break down the food by mixing with it.**



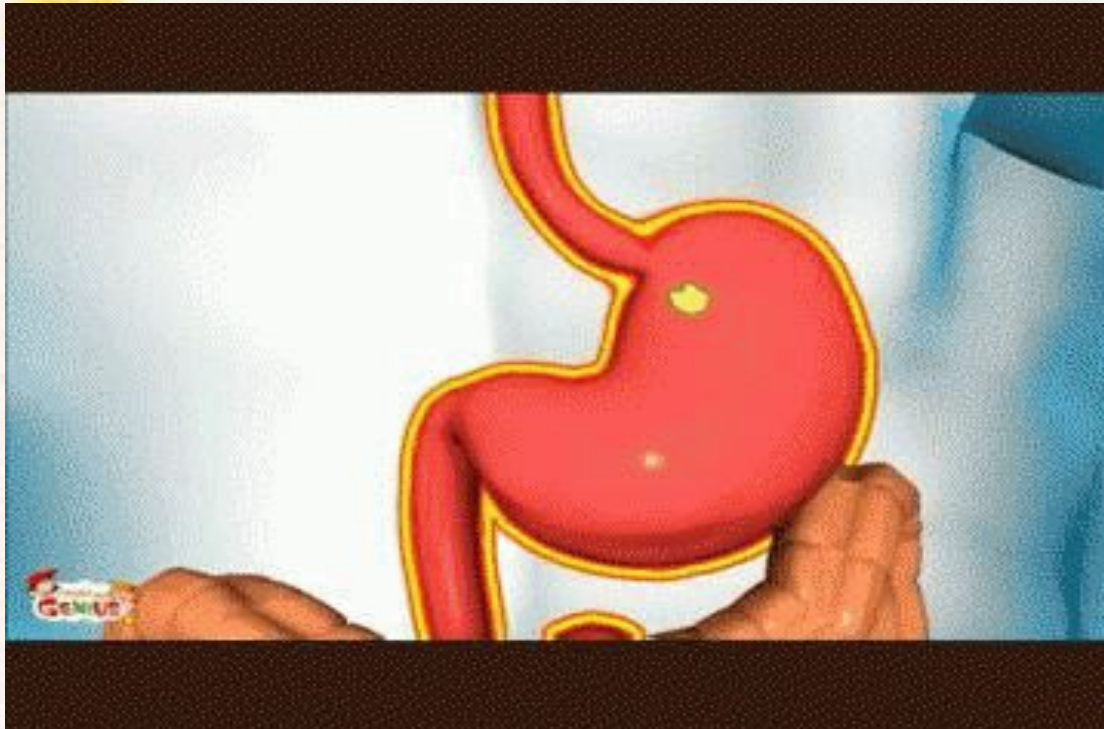
FUNCTION OF FOOD PIPE/ESOPHAGUS

- Once the food is broken down from saliva and chewing, it moves through your esophagus, which is the pipe that connects your mouth to your stomach.



WHAT IS THE STOMACH AND HOW DOES IT LOOKS LIKE?

- Our stomach is a hollow, muscular sac/ bag.
- The food is churned here to enhance the digestion.
- The size of stomach varies from person to person.

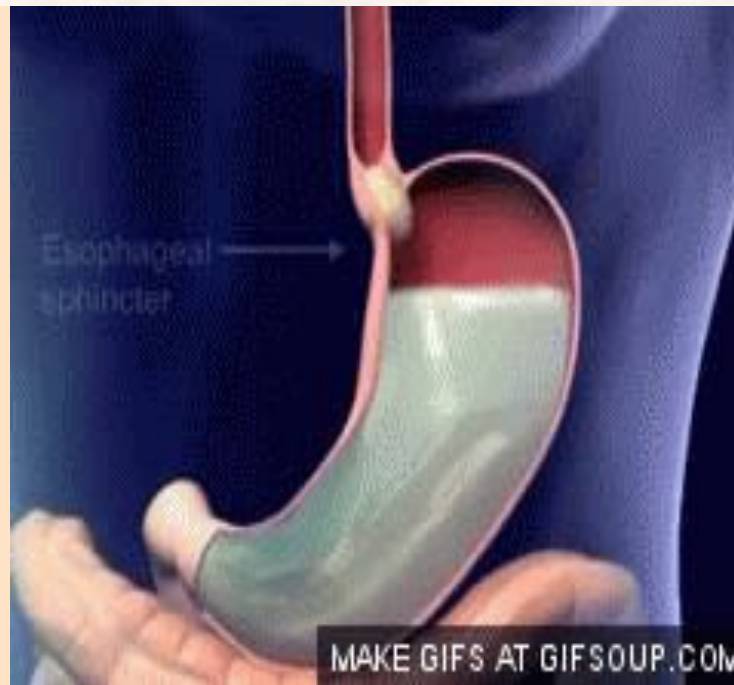


WHAT HAPPENS WHEN FOOD ENTERS INTO THE STOMACH?

- After food enters into the stomach, the stomach muscles mix the food and liquid with digestive juices.
- The digestive juices in the stomach breaks down the proteins present in the food into the simpler form.

WHERE DOES STOMACH PUSH FOOD?

- From the stomach, food is pushed into a long coiled tube called the small intestine.

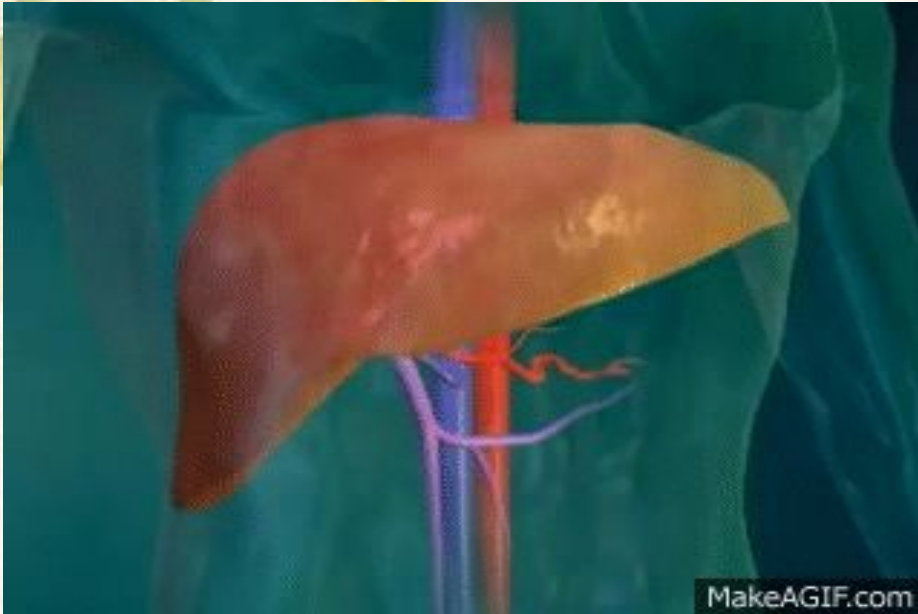


ROLE OF SMALL INTESTINE:

- **The inside walls of small intestine produce a juice that mixes with food .**
- **Absorb the nutrients needed for the body, and get rid of the unnecessary components.**

ACCESSORY ORGANS WHO HELPS IN DIGESTIVE ACTIVITIES ARE:

- **Liver :** It is a large, meaty organ that sits on the right side of belly.
- **Pancreas:** It is 6 inches long ,sits behind the stomach.

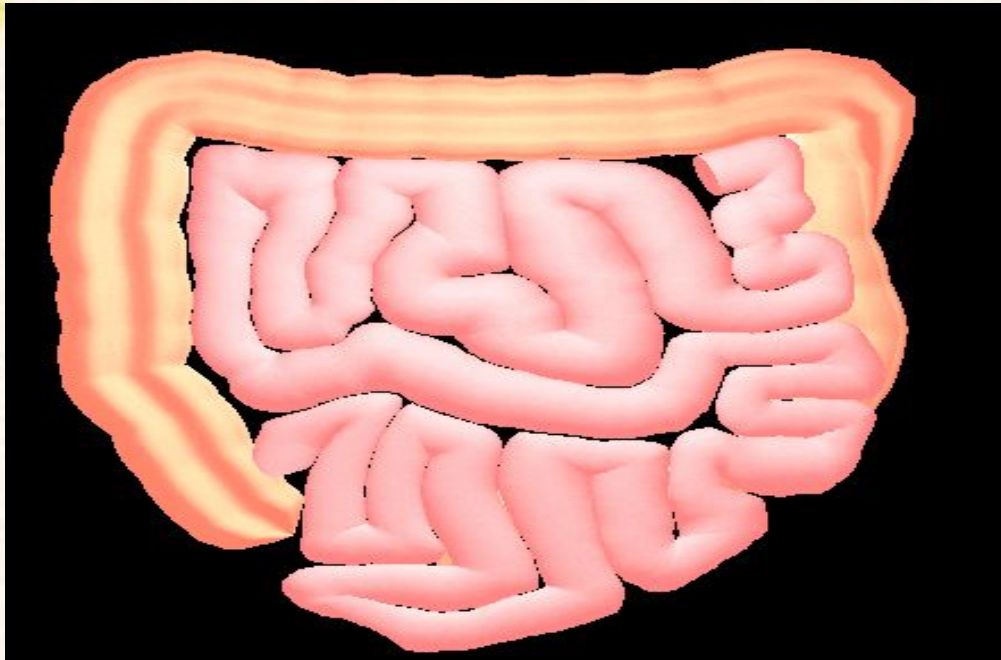


LET US UNDERSTAND THE ROLE OF LIVER AND PANCREAS :

- During digestion , your body takes everything your body needs from the food you eat.
- Liver and Pancreas also pour their juices into small intestine.
- These juices help to completely digest the food.

HOW DIGESTED FOOD IS ABSORBED INTO THE BLOOD IN SMALL INTESTINE?

- The blood vessels present in the walls of the small intestine absorb the digested food and carry it to all the parts of the body.



SUMMARY

- **Stomach helps in churning the food and mixes digestive juices with the food.**
- **Small intestine absorbs the nutrients needed for the body, and get rid of the unnecessary components.**
- **The liver and pancreas pour their juices into small intestine.**
- **Digested food is absorbed by the blood and taken to all parts of the body.**

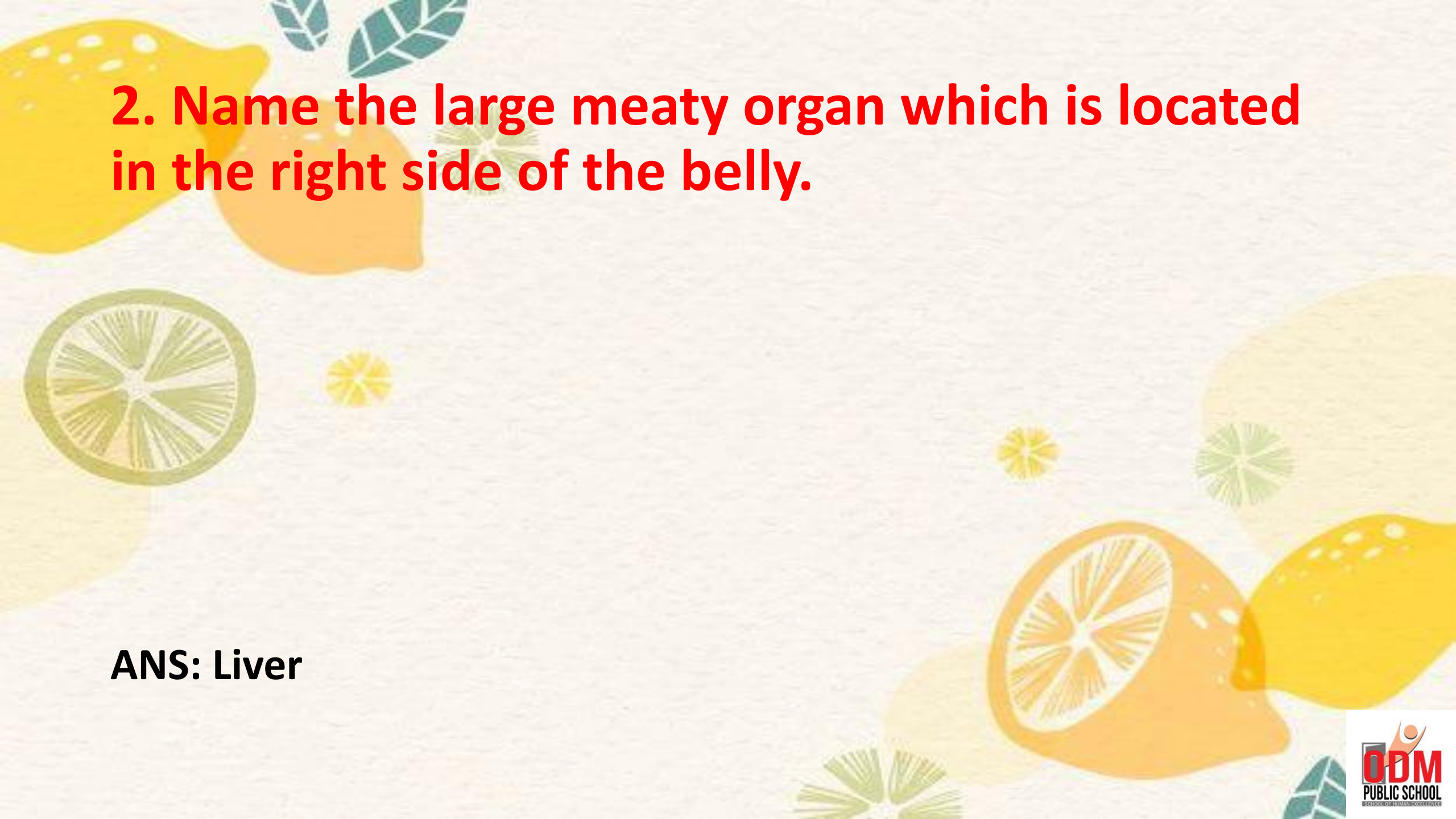


Quiz time

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1. How does the food reach to the stomach?

ANS: Food Pipe

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2. Name the large meaty organ which is located in the right side of the belly.

ANS: Liver

3. How does digested food looks like?

ANS: The digested food is almost like a liquid.

4. The muscular bag in the digestive system is called as _____.

ANS: Stomach

The background features a light cream color with a subtle pattern of lemons and leaves. There are several whole lemons in shades of yellow and orange, some sliced to show the internal segments. Green leaves with white veins are scattered throughout the scene. The overall aesthetic is clean and fresh.

WRITE THE SHORT ANSWERS

1. Why do we need food?

Ans:

2. Name any three food items which contain starch.

Ans:

3. Name any four sources of vitamins and minerals.

Ans:

4. What is a balanced diet?

Ans:

HOMework

Do the oral question given in page number no. 11.

LEARNING OUTCOME

The learner will be able to:

- describe the different stages of digestion.
- know the different functions of different organs involved in the process of digestion.

The background features a light cream-colored surface with a subtle, repeating pattern of lemons and citrus slices. The lemons are depicted in various shades of yellow and orange, some whole and some sliced to show the internal segments. The slices are arranged in a scattered, artistic manner across the page.

THANKING YOU
ODM EDUCATIONAL GROUP