

PRACTICE FOR SCIENCE REMEDIAL EXAM

7TH GRADE (II TRIMESTER)

Instruction: Match the organ name with the correct location in the digestive system (shown in the image with stars).

Digestive system

A) Large intestine

B) Stomach

C) Mouth

D) Small intestine

E) Oesophagus



Instruction: In the following comparison chart add the letter according to the organ that does that function in the digestive system.

A) Large intestine

B) Stomach

C) Mouth

D) Small intestine

E) Oesophagus

Organ What is its function?

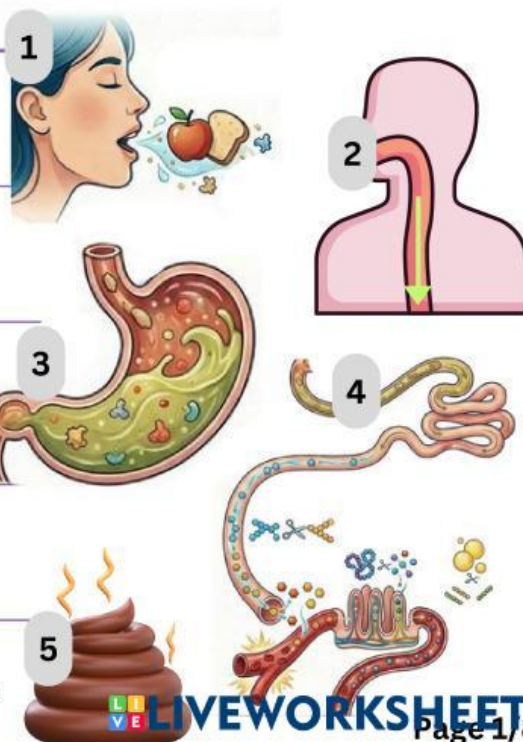
1. Food is **chewed** and mixed with **saliva**.

2. Food is **pushed down** to the stomach.

3. Food is **mixed with juices** and **broken down**.

4. **Nutrients** are **absorbed** into the blood.

5. Water is absorbed; **feces** are formed to be expelled.



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Instruction: complete the next comparison chart with the correct name of the enzymes that break the macronutrients (light blue color answers) and the name of the simpler molecules that obtained in that process so they may be absorbed to the bloodstream.

Options to answer:

B) Protease

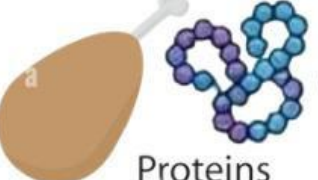
B) Lipase

C) Fatty acids and glycerol

B) Carbohydrase

B) Sugar

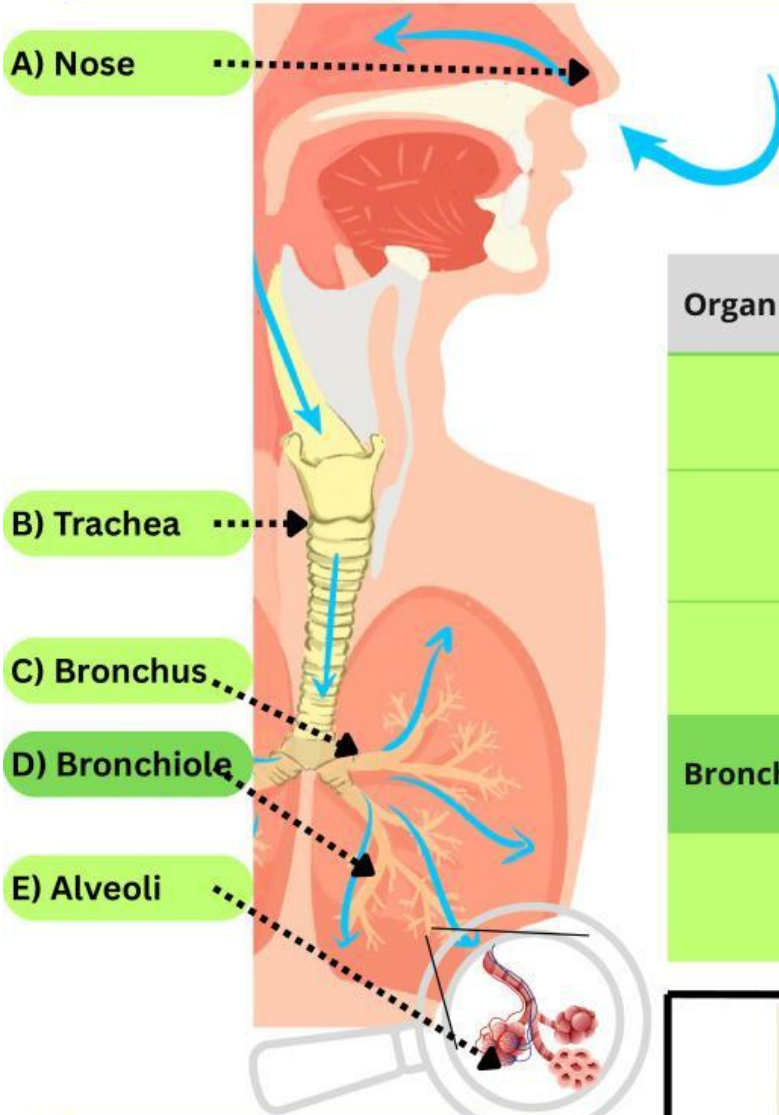
B) Amino acid

 Macronutrients we obtain from food .	 Enzymes work to break down the nutrients .	 Simpler molecules that are absorbed to the blood .
 Carbohydrates	 _____	 _____
 Proteins	 _____	 _____
 Oil Fats	 _____	 _____

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Instruction: complete the next comparison chart with the correct name of the organs in the respiratory system according to their function.



Respiratory system

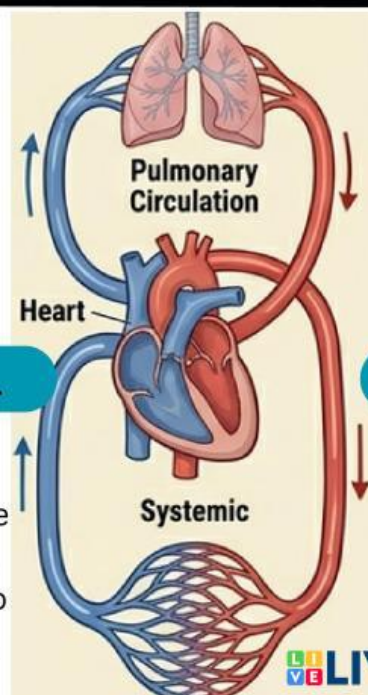
Organ	What happens?
	Air travels down the windpipe
	Oxygen enters blood ; carbon dioxide leaves blood.
	Air enters to the body ; filtered, warmed, and moistened.
Bronchiole	Air travels through tiny branching tubes .
	Air splits into two tubes going to each lung .

Circulatory system

Instruction:

Write on the line if that represent it is vein or artery.

_____ It returns **deoxygenated blood** back from the **body to the heart**, containing valves to prevent backflow.



_____ It carries **oxygenated blood** away from the **heart to the body**.

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Leaf structure

Instruction: the following text describes the leaf structure. Read it to answer the 4 parts of the leaf structure that are missing on the image.

- The waxy cuticle is located on the surface prevents water loss.
- The upper epidermis lies under it as a protective layer.
- Below that is the **palisade mesophyll**, packed with chloroplasts where most photosynthesis happens.
- Deeper in the leaf the **spongy mesophyll** contains **air spaces** and the veins called xylem and phloem that move water, minerals, and sugars.
- The **lower epidermis** forms the bottom protective layer and contains stomas that are like pores that open and close with the help of **guard cells** that are around it to allow carbon dioxide in and oxygen and water vapor out.

Options to answer:

