

LABASA SANGAM (SKM) COLLEGE

TERM ONE COVERAGE

BASIC SCIENCE-YEAR 10- 2021

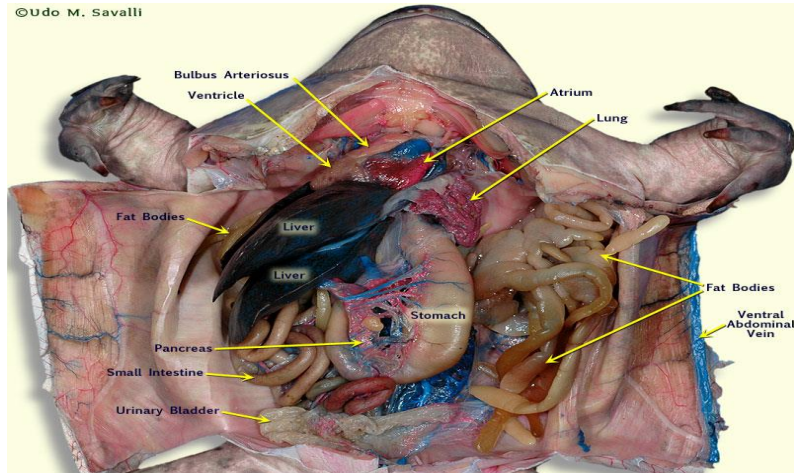
HUMAN DIGESTIVE SYSTEM

1. Fill the table below on equipment's used to dissect the toad.

Equipment	Function	Drawing
Scissors		
	Used to separate the skin from the flesh	
Forceps		
Dissecting tray		

2. List the method of toad dissection?

3. Study the diagram of the toad below and answer the questions.

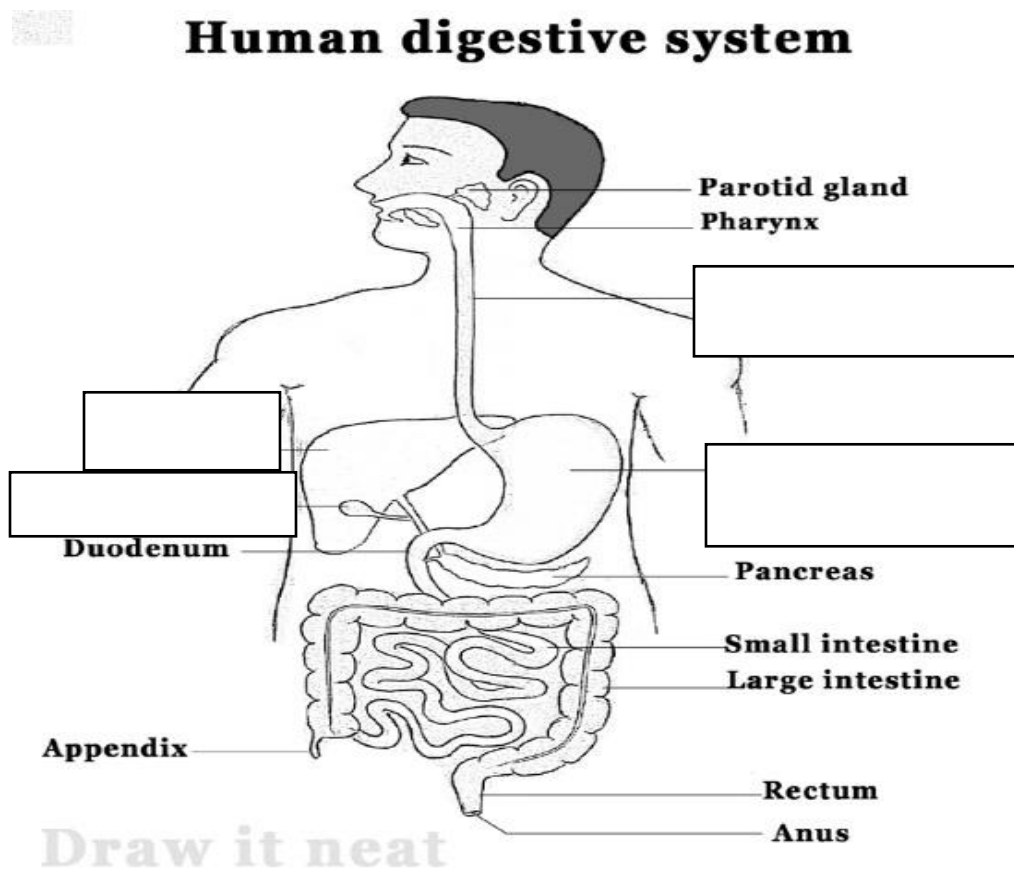


4. Give the description and the functions of the following?

Organ	Description	Function
1. Lungs		
2. Liver		
3. Pancreas		
4. Heart		
5. Stomach		
6. Large intestine		
7. Oesophagus		

8. Spleen		
9. Small intestine		
10. Gall bladder		
11. Fat bodies		

5. Label the human digestive system



6. What is the purpose of your body's digestive system?

7. State how the following molecules are absorbed in the body as:

Molecule	Absorbed as
Carbohydrates	
Protein	
Fat	

8. What are enzymes?

9. What is the length of the human gut? _____

10. Name the two types of digestion?

11. What do you understand by the term peristalsis?

12. Draw the pathway of food through the stomach?

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13. Answer the questions from the table by filling in the correct test information.

Test	Indicator	Result
Starch		
Glucose		
Protein		
Fats		

14. Draw the set up for visking tube experiment with the method of doing the experiment?

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CIRCULATORY SYSTEM

Blood is the transport fluid in the body.

i). Name a solid and a liquid component of blood.

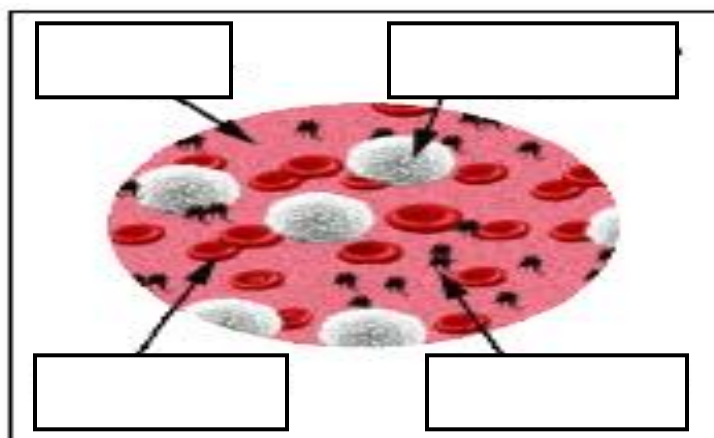
Solid- _____ **Liquid-** _____

1. Name the following arteries and vessels.

a. The Artery that supplies the oxygen rich blood and nutrient to the heart.

b. The blood vessel that carries blood from the heart to the rest of the body

2. Label the following diagram as students would view sample of blood under the microscope.



A- _____

B- _____

C. _____

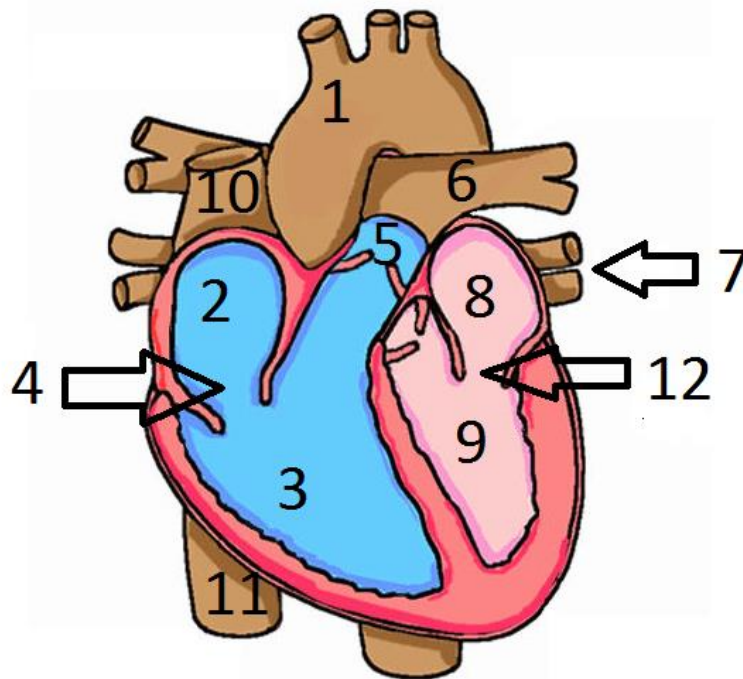
D- _____

3. Differentiate between erythrocytes and leucocytes

4. What is the role of platelets?

5. List three materials dissolved in blood plasma?

6. The diagram below is of a human heart



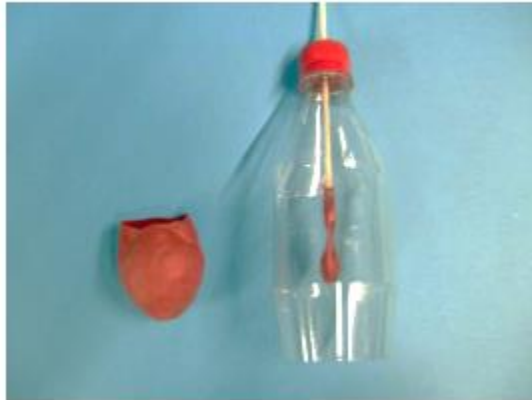
Explain why the left side of the heart is thicker than the right side of the heart?

State the function of valves found in the heart.

RESPIRATORY SYSTEM

1. Differentiate between breathing in and breathing out?

-
-
-
2. Study the diagram given below and answer the question that follows.



From the model what represents the

Ribcage- _____

Diaphragm- _____

Lungs- _____

3. List two negative effects of smoking on the lungs

4. Explain what happens to the diaphragm and the thorax when you

Breath in-

Breath out-

5. Name the structure in the lungs in which the gas exchange takes place?

6. Name some respiratory diseases?

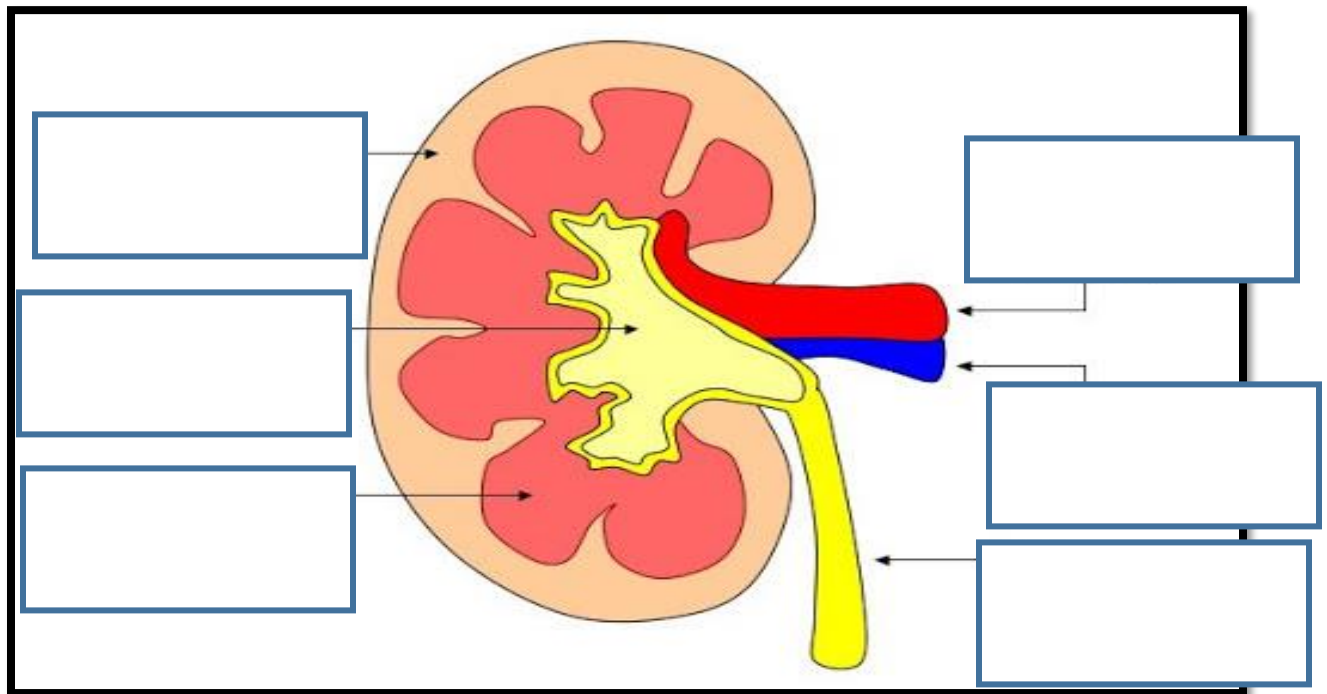
EXCRETORY SYSTEM

1. Define the term Excretion?

2. Name the main excretory products of the following

Organs	Excretory product
Lungs	
Kidney	
Skin	

3. Label the parts of the kidney.



REPRODUCTIVE SYSTEM

1. differentiate between fertilization and ovulation?

2. Name the place where fertilization takes place?

3. Differentiate between umbilical cord and placenta?

4. Name the male and the female hormones.

5. List some changes that takes place in boys and girls during puberty

Changes in girls	Changes in boys

6. List 3 things a foetus relies upon its mother for.

7. **Draw** a clearly labelled female reproductive system with the parts labelled.

