

PENANG SANGAM HIGH SCHOOL
YEAR 10 BASIC SCIENCE WORKSHEET 2021

WEEK 4 (21/06 – 25/06)

1. Refer to notes on Blood to answer the question below:

The part of the blood that carries soluble particles such as glucose is the

- | | |
|----------------------|--------------|
| A. White blood cells | C. Platelets |
| B. Red blood cells | D. Plasma |

2. Which of the following groups of organisms is a pair of decomposer?

(Refer to notes on Feeding Relationships)

- A. Fungi and mosses
- B. Mosses and flies
- C. Flies and bacteria
- D. Bacteria and fungi

3. The main function of the circulatory system is to **(Refer to notes on Circulatory System)**

- A. Digest food
- B. Take in air
- C. Carry messages around the body.
- D. Carry nutrients around the body.

4. In the mouth of a human, the enzyme that changes starch to glucose is present in the

(Refer to activity on Breakdown starchy foods by saliva)

- | | |
|----------|-----------|
| A. Food | C. Saliva |
| B. Teeth | D. Tongue |

5. MATCHING PAIRS (Refer to diagram pasted in your notes on Stages of Digestion)

For each question select the item in **LIST B** that best matches with item in **LIST A**. Write the letter of the item of your choice beside each number in the space provided in the answer book.

Match the processes of digestion **List A** with its respective function **List B**

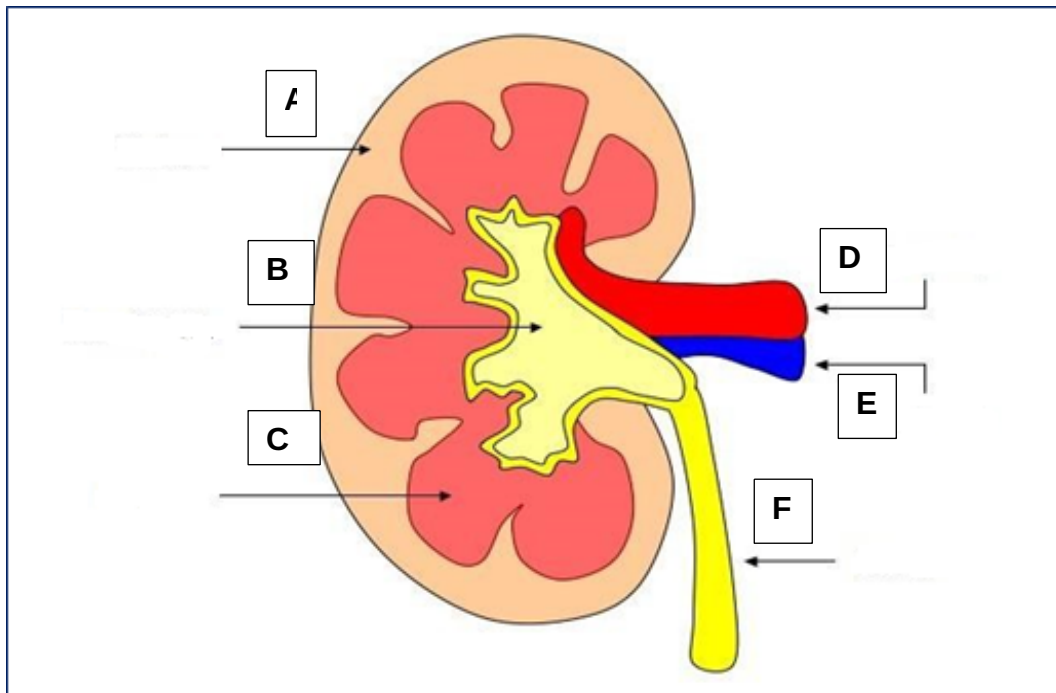
List A

List B

- | | | |
|------|-------------------|---|
| i) | Ingestion _____ | a) the food is chewed/broken down to smaller pieces by teeth. |
| ii) | Mastication _____ | b) the removal of undigested food (called faeces) through anus. |
| iii) | Digestion _____ | c) food is taken into the mouth. |

- iv) Assimilation_____ d) the process of breaking down food into small soluble pieces
- v) Defecation _____ e) digested food is absorbed via the walls of the small intestine

6. Shown below is the human kidney. Label the parts (A-F)
(Refer to labelled diagram of the Kidney)



7. Explain the following symbiotic relationships with examples:
(Refer to notes on Symbiotic Relationship)
- Mutualism
 - Community
 - Intra specific competition
 - Inter specific competition
 - Commensalism

8. ESSAY :

With reference to the question below, use a blank page to write an essay using 150 – 200 words.

Write an essay on the circulation of blood in the human heart. Your essay should include:

(Refer to notes and diagram of the Heart)

- The **parts** of the heart
- Names** of the **arteries** and **veins**
- Functions** of the **blood** in the body

d) **Diagram of the heart with labeling** to support your essay.

...STAY SAFE...