



Chapter 6 Life Processes

Work Sheet 2 [1 Marks Questions]

1. The filtration units of kidneys are called –

- a) Ureter
- b) Urethra
- c) Neurons
- d) nephrons.

Ans. D) nephrons

2. What is the mode of nutrition in fungi and plasmodium?

Ans. Fungi – Saprophytic

Plasmodium – parasitic

3 Which of them contain less nitrogenous waste – renal vein or the renal artery?

Ans. Renal vein

4. Amoeba captures food with the help of –

- a) teeth
- c) pseudopodia
- d) tentacles

Ans. c) pseudopodia

5 Which of the following is most appropriate for aerobic respiration?

- a) Glucose $\xrightarrow{\text{mitochondria}}$ pyruvate $\xrightarrow{\text{cytoplasm}}$ $\text{CO}_2 + \text{H}_2\text{O} + \text{Energy}$.
- b) Glucose $\xrightarrow{\text{cytoplasm}}$ pyruvate $\xrightarrow{\text{mitochondria}}$ $\text{CO}_2 + \text{H}_2\text{O} + \text{Energy}$.
- c) Glucose $\xrightarrow{\text{cytoplasm}}$ pyruvate + Energy $\xrightarrow{\text{mitochondria}}$ $\text{CO}_2 + \text{H}_2\text{O}$
- d) Glucose $\xrightarrow{\text{cytoplasm}}$ pyruvate + Energy $\xrightarrow{\text{mitochondria}}$ $\text{CO}_2 + \text{H}_2\text{O} + \text{Energy}$
- Ans. Glucose $\xrightarrow{\text{cytoplasm}}$ pyruvate $\xrightarrow{\text{mitochondria}}$ $\text{CO}_2 + \text{H}_2\text{O} + \text{Energy}$.
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6. Name the part of alimentary canal receiving bile from the liver.

- a) Oesophagus
- b) Stomach
- c) Small intestine
- d) Large intestine

Ans. c) Small Intestine.

7. What is glycolysis?

Ans. Breakdown of Glucose into pyruvate is known as glycolysis

8. Name the largest artery of body.

Ans. Aorta

9 The kidney's in human beings are the part of which system

- (a) nutrition
- (b) respiration
- (c) excretion
- (d) transpiration

Ans. (c) excretion

10. The xylem in plants are responsible for

- (a) transport of water**
- (b) transport of food**
- (c) transport of amino acids**
- (d) transport of oxygen**

Ans. (a) transport of water

11. The autotrophic mode of nutrition requires

- (a) carbon dioxide and water**
- (b) chlorophyll**
- (c) sunlight**
- (d) all of the above**

Ans. (d) all of the above

12. The breakdown of pyruvate to give carbon dioxide, water and energy takes place in

- (a) cytoplasm**
- (b) mitochondria**
- (c) chloroplast**
- (d) nucleus**

Ans. (b) mitochondria

13. Food moves down the gut by peristalsis. Which region of brain controls peristalsis.

Ans. Medulla of hind brain.

14. Name the pigment present in plants, which can absorb solar energy.

Ans. Chlorophyll.

15. Which of the four chambers of the human heart has the thickest muscular walls?

Ans. Right ventricle.

16. Which part of visible spectrum is absorbed by chlorophyll pigments?

Ans. Blue and Red light

17. Name the cartilaginous flap which closes the glottis to check the entry of food into it during swallowing.

Ans. Epiglottis

18 Which equipment is used to facilitate breathing during serious breathing problems?

Ans. Ventilator

19. What do you mean by double circulation of blood?

Ans. Blood passes through the heart twice for each cycle of the body.