

# Multiple choice questions:

1. Which of the following are energy foods?

- (a) Carbohydrates and fats
- (b) Proteins and mineral salts
- (c) Vitamins and minerals
- (d) Water and roughage

**Answer**

Answer: a

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2. In which mode of nutrition an organism de-rives its food from the body of another living organism without killing it?

- (a) Saprotrophic nutrition
- (b) Parasitic nutrition
- (c) Holozoic nutrition
- (d) Autotrophic nutrition

**Answer**

Answer: b

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3. The mode of nutrition found in fungi is:

- (a) Parasitic nutrition
- (b) Holozoic nutrition
- (c) Autotrophic nutrition
- (d) Saprotrophic nutrition

**Answer**

Answer: d

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4. Roots of the plants absorb water from the soil through the process of:

- (a) diffusion
- (b) transpiration
- (c) osmosis
- (d) None of these

**Answer**

Answer: c

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5. The site of photosynthesis in the cells of a leaf is

- (a) chloroplast
- (b) mitochondria
- (c) cytoplasm
- (d) protoplasm

**Answer**

Answer: a

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6. In amoeba, food is digested in the:

- (a) food vacuole
- (b) mitochondria
- (c) pseudopodia
- (d) chloroplast

**Answer**

Answer: a

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7. Which of the following events in the mouth cavity will be affected if salivary amylase is lacking in the saliva?

- (a) Starch breaking down into sugars.
- (b) Proteins breaking down into amino acids.
- (c) Absorption of vitamins.
- (d) Fats breaking down into fatty acids and glycerol.

**Answer**

Answer: a

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8. Which region of the alimentary canal absorbs the digested food?

- (a) Stomach
- (b) Small intestine
- (c) Large intestine
- (d) Liver

**Answer**

Answer: b

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9. The contraction and expansion movement of the walls of the food pipe is called:

- (a) translocation
- (b) transpiration
- (c) peristaltic movement
- (d) digestion

**Answer**

Answer: c

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10. When a few drops of iodine solution are added to rice water, the solution turns blue-black in color. This indicates that rice water contains:

- (a) fats
- (b) complex proteins
- (c) starch
- (d) simple proteins

**Answer**

Answer: c

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11. The exit of unabsorbed food material is regulated by

- (a) liver
- (b) anus
- (c) small intestine
- (d) anal sphincter

**Answer**

Answer: d

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12. What are the products obtained by anaerobic respiration in plants?

- (a) Lactic acid + Energy
- (b) Carbon dioxide + Water + Energy
- (c) Ethanol + Carbon dioxide + Energy
- (d) Pyruvate

**Answer**

Answer: c

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13. The breakdown of pyruvate to give carbon di-oxide, water and energy takes place in

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

**Answer**

Answer: b

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14. Glycolysis process occurs in which part of the cell?

- (a) Cytoplasm
- (b) Nucleus
- (c) Mitochondria
- (d) Chloroplast

**Answer**

Answer: a

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15. Name the substances whose build up in the muscles during vigorous physical exercise may cause cramps?

- (a) Ethanol + Carbon dioxide + Energy
- (b) Lactic acid + Energy
- (c) Carbon dioxide + Water + Energy
- (d) Pyruvate

**Answer**

Answer: b

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16. Name the pores in a leaf through which respi-ratory exchange of gases takes place.

- (a) Lenticels
- (b) Vacuoles
- (c) Xylem
- (d) Stomata

**Answer**

Answer: d

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17. The respiratory pigment in human beings is:

- (a) carotene
- (b) chlorophyll
- (c) hemoglobin
- (d) mitochondria

**Answer**

Answer: c

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18. Which plant tissue transports water and min-erals from the roots to the leaf?

- (a) Xylem
- (b) Phloem
- (c) Parenchyma
- (d) Collenchyma

**Answer**

Answer: a

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19. The movement of food in phloem is called:

- (a) transpiration
- (b) translocation
- (c) respiration
- (d) evaporation

**Answer**

Answer: b

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20. A blood vessel which pumps the blood from the heart to the entire body:

- (a) artery
- (b) capillary
- (c) Vein
- (d) Hemoglobin

**Answer**

Answer: a

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21. Name a circulatory fluid in the human body other than blood.

- (a) Platelets
- (b) RBC
- (c) Lymph
- (d) Plasma

**Answer**

Answer: c

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22. Single circulation, i.e., blood flows through the heart only once during one cycle of passage through the body, is exhibited by which of the following:

- (a) hyla, rana, Draco
- (b) whale, dolphin, turtle
- (c) labeo, chameleon, salamander
- (d) hippocampus, exocoetus, anabas

**Answer**

Answer: d

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23. Name the tube which connects the kidneys to the urinary bladder.

- (a) Urethra
- (b) Nephron
- (c) Tubule
- (d) Ureter

**Answer**

Answer: d

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24. Which part of nephron allows the selective reabsorption of useful substances like glucose, amino acids, salts and water into the blood capillaries?

- (a) Tubule
- (b) Glomerulus
- (c) Bowman's capsule
- (d) Ureter

**Answer**

Answer: a

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25. Where is the dirty blood in our body filtered?

- (a) Heart
- (b) Lungs
- (c) Ureter
- (d) Kidneys

**Answer**

Answer: d

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26. The procedure used for cleaning the blood of a person by separating urea from it is called:

- (a) osmosis
- (b) filtration
- (c) dialysis
- (d) double circulation

**Answer**

Answer: c

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27. Which is the correct sequence of body parts in the human alimentary canal?

- (a) Mouth → stomach → small intestine → large intestine → oesophagus
- (b) Mouth → oesophagus → stomach → small intestine → large intestine
- (c) Mouth → stomach → oesophagus → small intestine → large intestine
- (d) Mouth → oesophagus → stomach → large intestine → small intestine

**Answer**

Answer: b

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28. Identify the correct path of urine in the human body.

- (a) Kidney → urinary bladder → urethra → ureter
- (b) Urinary bladder → ureter → kidney → urethra
- (c) Kidney → ureter → urethra → urinary bladder
- (d) Kidney → ureter → urinary bladder → urethra

**Answer**

Answer :d



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