

[CLICK TO SUBSCRIBE YOUTUBE CHANNEL](#)

[CLICK TO JOIN TELEGRAM](#)

UNIQUE STUDY POINT
CLASS X: MCQ WORKSHEET
UNIT: LIFE PROCESS

Q1- In which group of the organisms the food material is broken down outside the body?

- A) Mushroom, green plants, amoeba
- B) Yeast, mushroom, bread mould
- C) Paramecium, amoeba, cuscuta
- D) Cuscuta, lice, tapeworm

Q2- Select the correct statement -

- A) Hetrotrophs make their food
- B) Heterotrophs utilize solar energy to make food
- C) Heterotrophs do not make their own food
- D) Heterotrophs are capable of converting carbon dioxide and water into carbohydrates

Q3- Which of the following statements about autotrophs is incorrect?

- A) They synthesize carbohydrates by using carbon dioxide, water in presence of sunlight and chlorophyll
- B) They store carbohydrates in form of starch
- C) They convert carbon dioxide and water into carbohydrates in the absence of sunlight
- D) They form the first trophic level in food chain

Q4- Which of these reactions occur in photosynthesis?

- A) Carbon dioxide is reduced and water is oxidised
- B) water is reduced and carbon dioxide is oxidised
- C) carbon dioxide and water are oxidised
- D) carbon dioxide and water are reduced

Q5- A few drops of iodine solution were added to rice water. The solution turned blue black in colour. This indicates rice water has -

- A) complex proteins
- B) simple proteins
- C) starch
- D) Fats

Q6- Which is the correct sequence -

- A) mouth → stomach → small intestine → oesophagus → large intestine
- B) mouth → oesophagus → stomach → large intestine → small intestine
- C) mouth → stomach → oesophagus → small intestine → large intestine
- D) mouth → oesophagus → stomach → small intestine → large intestine

Q7- If salivary amylase is lacking in saliva, which of the event in mouth will be affected-

- A) Proteins breaking down into amino acids
- B) starch breaking down into sugars
- C) Fats breaking down into fatty acids and glycerol
- D) Absorption of vitamins

Q8- The inner lining of the stomach is protected by one of the following from hydrochloric acid. Choose the correct one

- A) Mucus
- B) Salivary amylase
- C) Pepsin
- D) Bile

Q9- Which part of alimentary canal receives bile from liver -

- A) stomach
- B) small intestine
- C) large intestine
- D) oesophagus

Q10- In which part of alimentary canal food is finally digested?

- A) large intestine

UNIQUESTUDYONLINE.COM

- b) Stomach
- C) Mouth cavity
- D) small intestine

Q11- Choose the function of pancreatic juice from following:

- A) Trypsin digests proteins and lipase digests carbohydrates
- B) Trypsin digests emulsified fats and lipase digests proteins
- C) Trypsin and lipase digest fats
- D) Trypsin digests proteins and lipase digests emulsified fats

Q12- The correct sequence of anaerobic respiration -

- A) Glucose → pyruvate → lactic acid
- B) glucose → pyruvate → carbondioxide + ethanol
- C) glucose → pyruvate → ADP→ lactic acid
- D) glucose -→ pyruvate → carbondioxide + ethanol + energy

Q13- The pancreatic juice doesn't contain following enzymes-

- A) Trypsin
- B) Amylase
- C) Lipase
- D) Ptyalin

Q14- The pancreas pour their secretion into ____.

- A) Small intestine
- B) large intestine
- C) stomach
- D) Duodenum

Q15- The kidneys in human beings are part of _____.

- A) Nutrition
- B) Respiration

UNIQUESTUDYONLINE.COM

- C) Excretion
- D) Circulation

Q16- The opening and closing of stomatal pore depends upon ____.

- A) Oxygen
- B) water in guard cells
- C) concentration of carbon dioxide in stomata
- D) temperature

Q17- In the human digestion system the enzymes pepsin and trypsin are secreted by ?

- A) Pancreas and liver
- B) pancreas and gall bladder
- C) stomach and pancreas
- D) stomach and salivary glands

Q18- Which of the statements is correct regarding bile?

- A) secreted by duct and stored in liver
- B) secreted by liver and stored in bile duct
- C) secreted by liver and stored in gall bladder
- D) secreted by gall bladder and stored in liver

Q19- Which of the following components of food is digested by s. amylase?

- A) proteins
- B) fats
- C) Minerals
- D) carbohydrates

Q20- Where are proteins first digested?

- A) small intestine
- B) stomach

UNIQUESTUDYONLINE.COM

- C) large intestine
- D) mouth

Q21- Which is the first enzyme that mixes with food?

- A) s.amylase
- B) trypsin
- C) erepsin
- D) gastric juice

Q22- The cellular energy reserves in autotrophs are ____.

- A) glycogen
- B) starch
- C) protein
- D) fatty acids

Q23- The autotrophs require ____.

- A) CO₂ and water
- B) chlorophyll
- C) sunlight
- D) All

Q24- The breakdown of pyruvate into carbon dioxide, energy and water takes place in ____.

- A) mitochondria
- B) cytoplasm
- C) Endoplasmic reticulum
- D) ribosomes

Q25- When air is blown through lime water it turns milky because of ____.

- A) water
- B) carbon dioxide

UNIQUESTUDYONLINE.COM

- C) limestone
- D) calcium oxide

Q26- Write the correct sequence of air passage involved in inhalation?

- A) larynx → Nostrils → Pharynx → lungs
- B) nostrils → Pharynx → larynx → Trachea → alveoli
- C) nasal passage → larynx → Trachea → Pharynx → Alveoli
- D) None

Q27- During respiration exchange of gases takes place in ____.

- A) Trachea and larynx
- B) alveoli of lungs
- C) Alveoli and throat
- D) Throat and larynx

Q28- What prevents back flow of blood during contraction?

- A) Valves in heart
- B) Thick muscular walls of ventricles
- C) Thin walls of atria
- D) All

Q29- The correct path of urine is ____.

- A) Kidney → ureter → urthra → urinary bladder
- B) Kidney → urinary bladder → urethra → ureter
- C) kidney → ureter → urinary bladder → urethra
- D) urinary bladder → kidney → ureter → urethra

Q30- During deficiency of oxygen in tissues of humans, pyruvic acid is converted into lactic acid in ____.

- A) Cytoplasm
- B) chloroplast

UNIQUESTUDYONLINE.COM

- C) mitochondria
- D) golgi body

Q31- Xylem helps in ____.

- A) transportation of water
- B) translocation of food
- C) both a and b
- D) transportation of water and minerals

Q32- What is the approximate length of an alimentary canal?

- A) 3m
- B) 4m
- C) 5m
- D) 4.5-5 m

Q33- Which organelle is called power house of cell?

- A) Mitochondria
- B) golgi body
- C) ribosomes
- D) none

Q34- Which respiration is much efficient?

- A) aerobic
- B) anaerobic
- C) both are equal
- D) none

Q35- Write full form of ATP.

- A) adenosine diphosphate
- B) adenosine phosphate

UNIQUESTUDYONLINE.COM

- C) adenosine triphosphate
- D) none

Q36- Which of the following statement(s) is (are) true about respiration?

- A) During inhalation, ribs move inward and diaphragm is raised
- B) In the alveoli, exchange of gases takes place i.e., oxygen from alveolar air diffuses
- C) into blood and carbon dioxide from blood into alveolar air sacs
- D) Haemoglobin has greater affinity for carbon dioxide than oxygen Alveoli does not help in increasing surface area for exchange of gases

Q37- During respiration exchange of gases takes place in ____.

- A) Trachea and larynx
- B) Alveoli of lungs
- C) Alveoli and throat
- D) Throat and larynx

Q38- Which of the following statement (s) is (are) true about heart?

- A) Left atrium receives oxygenated blood from different parts of body while right atrium
- B) receives deoxygenated blood from lungs
- C) Left ventricle pumps oxygenated blood to different body parts while right ventricle pumps deoxygenated blood to lungs
- D) Left atrium transfers oxygenated blood to the right ventricle which sends it to different body parts Right atrium receives oxygenated blood from different parts of the body while left ventricle pumps oxygenated blood to different parts of the body.

Q39- Choose the correct statement that describes arteries:

- A) They have thick elastic walls, blood flows under high pressure; collect blood from different organs and bring it back to the heart
- B) They have thin walls with valves inside, blood flows under low pressure and carry blood away from the heart to various organs of the body
- C) They have thick elastic walls, blood flows under low pressure; carry blood from the heart to various organs of the body

D) They have thick elastic walls without valves inside. The Blood flows under high pressure and carry blood away from the heart to different parts of the body

Q40- The filtration units of the kidney are called ____.

- A) urethra
- B) ureter
- C) Neuron
- D) nephron

Q42- Oxygen released during photosynthesis comes from_____.

- A) water
- B) Chlorophyll
- C) carbon dioxide
- D) glucose

Q43- The blood leaving the tissues becomes rich in ____.

- A) Haemoglobin
- B) carbon dioxide
- C) water
- D) oxygen

UNIQUESTUDYONLINE.COM

Q44- Which of the following is incorrect statement:

- A) organism grow with time
- B) Organisms must repair and maintain their structure
- C) Movement of molecules does not take place among cells
- D) Energy is essential for life processes

Q45- The internal (cellular) energy reservoir in autotrophs is:

- A) glycogen
- B) protein
- C) starch
- D) fatty acid

Q46- Choose the event that does not occur in photosynthesis?

- A) Absorption of light energy by chlorophyll
- B) Reduction of carbon dioxide to carbohydrates
- C) Oxidation of carbon-to-carbon dioxide
- D) Conversion of light energy to chemical energy

Q47- Choose the form in which most of the plants absorb nitrogen from the atmosphere?

- A) proteins
- B) nitrates and nitrites
- C) atmospheric nitrogen
- D) amino acids

Q48- Which process converts light energy to chemical energy ?

- A) Respiration
- B) photosynthesis
- C) transpiration
- D) transportation of water and minerals

Q49- Which of these is the simplest form of food?

- A) rice
- B) wheat
- C) Butter
- D) Glucose

UNIQUESTUDYONLINE.COM

Q50- Which out of them is raw material for photosynthesis?

- A) carbon dioxide
- B) water
- C) oxygen
- D) all

UNIQUESTUDYONLINE.COM