

DELHI PUBLIC SCHOOL, JAMMU

DATE: 20th August, 2021 ASSIGNMENT –2

CLASS: X

Marks-10

SUBJECT: BIOLOGY

Instructions:

Total No. Of questions -10 Each question carry one mark .

TOPIC: Life processes

Based on your understanding of the E-Lectures-cum PPT's, video links and other e-resources shared with you, answer the following questions

Type (I) MCQ's with four options

1. Which of the following is not a digestive enzyme contained in the pancreatic juice?
 - i. Lipase
 - ii. Hydrochloric acid
 - iii. Mucus
 - iv. Trypsin

2. The enzymes contained in pancreatic juices help in the digestion of:
 - a) Fats and carbohydrates
 - b) Proteins and fats
 - c) Proteins and carbohydrates
 - d) Proteins, fats and carbohydrates

3. Sometimes we get painful cramps in our leg muscles after running for a long time due to the accumulation of:
 - a) Hydrochloric acid
 - b) Fat
 - c) Carbon dioxide
 - d) Lactic acid

4. The mode of nutrition found in fungi is:
 - (a) Parasitic nutrition
 - (b) Holozoic nutrition
 - (c) Autotrophic nutrition
 - (d) Saprotrophic nutrition

Type (II) Assertion & Reasoning Type :

Directions:

In each of the following questions, a statement of Assertion is given followed by a corresponding statement of Reason just below it. Of the statement, mark the correct answer as:

- (A) If both assertion and reason are true and reason is the correct explanation of assertion.
- (B) If both assertion and reason are true but reason is not the correct explanation of assertion.
- (C) If assertion is true but reason is false.
- (D) If assertion is false but reason is true.

5. Assertion: Respiration is opposite of Photosynthesis

Reason: In Photosynthesis food is made from energy and in Respiration food is converted to energy.

- (a) A
- (b) B
- (c) C
- (d) D

6. Assertion: Translocation of food occurs in Plants.

Reason: Xylem tissue is responsible for Translocation.

- (a) A
- (b) B
- (c) C
- (d) D

Type (III) Fill in the blank

7. Nitrogenous waste in urine is in the form of ____ and ____

- (a) Urea and uric acid
- (b) Water and salt
- (c) Protein and carbohydrates
- (d) salt and amino acid

8. The unit of human kidney is called _____.

- (a) Nephron
- (b) Ureter
- (c) Urethra
- (d) Urinary bladder

Type (IV) Match the column

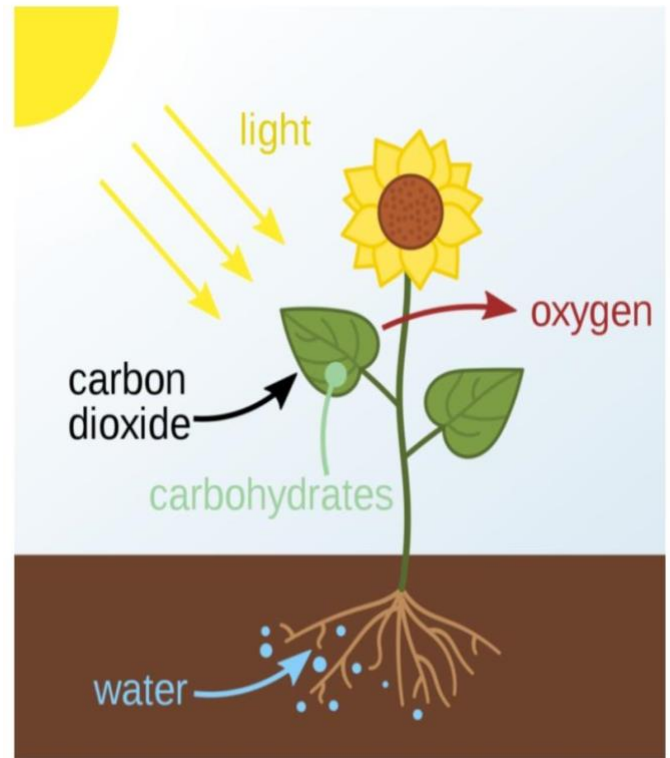
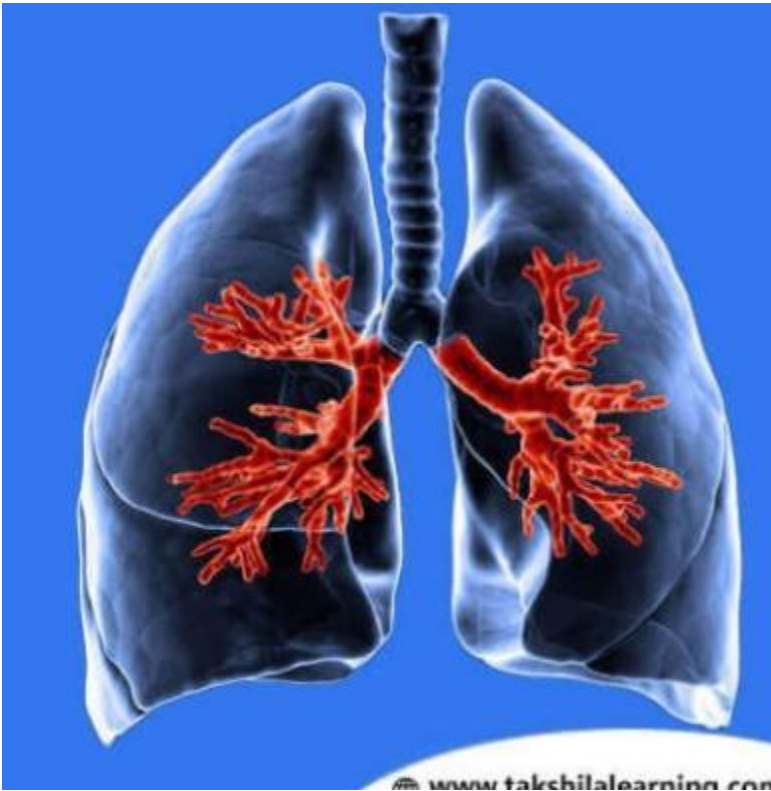
9. Match the statements of column I with statements of column II.

Statements (A, B, C, D) in column-I have to be matched with statements (A,B,C,D) in column II .

Column I		Column II	
A	Pulmonary artery	A	oxygenated blood
B	Pulmonary vein	B	Exchange of substances
C	Aorta	C	Supplies blood to body tissues/parts
D	Capillary	D	deoxygenated blood

- B. 1-D, 2-A, 3-C, 4-B
- C. 1-B, 2-D, 3-A, 4-C
- D. 1-A, 2-C, 3-B, 4-D

10.Type (V) Case study questions



Photosynthesis and respiration are two processes that are basic to life on earth. Without them, life will disappear from earth. Photosynthesis traps solar energy, converts it into chemical energy and manufactures organic matter by reducing CO₂. The organic matter produced in photosynthesis not only supports plants but all types of life, helping them in building their body and supplying energy.

Respiration is the process of release of energy from organic matter. This food or chemical energy is essential for maintenance, growth and working of the bodies of the living beings including the plants which trap solar energy.

1. Two processes are basic to life on earth. What are they ? How do these processes sustain life ?
2. What do you mean by the term Photosynthesis?
3. What are the raw materials for photosynthesis?
4. What are the factors responsible for photosynthesis?
5. What do you mean by the term Respiration?

Note:

1. Due date of submission: 27th August 2021
2. Send your answer here:
E-mail: Poojachib5390@gmail.com (Section- D, E, F)
Rekhachib49@gmail.com (Section A,B,C)
Balbirbalio2@gmail.com (Section-I,J)
Gurmeetabhi15@gmail.com (Section-G,H)
3. Students must mention their name, class/section and date in their assignments.
4. Your Assignment will be marked for internal/ Term assessments. Therefore, it is necessary for you to submit it on time.