

VISWABHARATI (E.M) HIGH SCHOOL
OBJECTIVE ASSIGNMENT
WORK SHEET – I
 CHAPTER: 1& 2

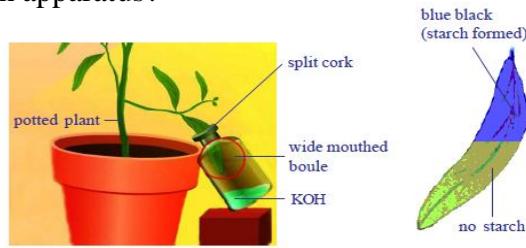
Class: X
 Sub: Biology

Time: 1 ½ hr
 Marks: 35

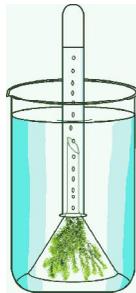
I. Answer the following Questions(½ mark Questions)

30 × ½ = 15

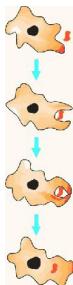
1. What is the starch identification reagent?
2. What is the Aim of given apparatus?



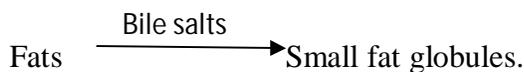
3. Where is chlorophyll and other pigments present in the plant?
4. Identify the correct one.
 - a) chlorophyll 'a' - Blue green colour
 - b) chlorophyll 'b' - Yellow green colour
5. What do you call this reaction?
 $H_2O \longrightarrow H^+ + OH^-$
6. What is the full form of NADPH?
7. Which plant can you use along with Hydrilla for this experiment?



8. What is the process in the given diagram?



9. Re write the sentence if it is necessary
 The Root like structures in cuscuta helps in absorption of food from host plant are called Villi.
10. Fats are digested by converting them into small globule like forms by the help of the bile juice secrete d from liver. This process is called Emulsification.



What is the process in the given equation

11. What is the 'x' in the given table?

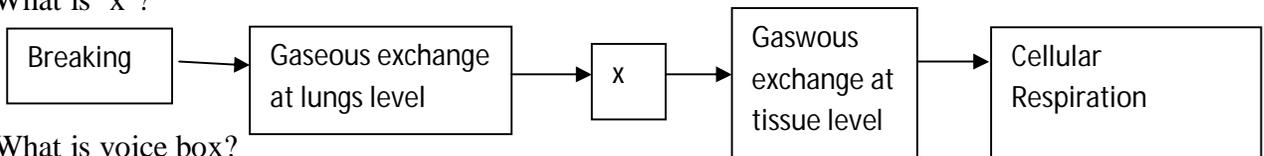
Name of the Engyme	Acts on
Ptyalin(Salivary amylase)	'x'
Trypsin	Proteins

12. Identify the malnutritious disease in the given diagram?

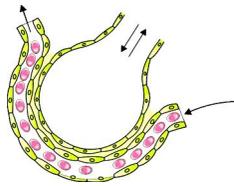


13. Kavitha has given births to two children are after another Elder child seems to be lean and weak, swelling in joints of limbs, Less developed muscles, dry skin, diarrhoea etc., Name the malnutritious disease in this child?
14. What are Vitamins?
15. Identify the mismatched pair.
1. Water soluble - Folic Acid, Biotin
 2. Fat soluble - Tocoferol, Phylloquinone
 3. Synthesised by bacteria present in the intestine - Pyridozine.

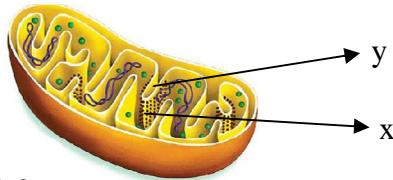
16. What is 'x'?



17. What is voice box?
18. What questions do you ask if you meet pulmonologist?
19. What does the diagram represents?

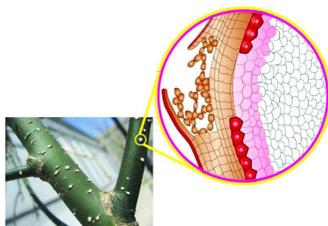


20. What is 'x' and 'y' in the given diagram?



21. What is Glycolysis?
22. Expand ATP?
23. Rewrite the sentence if it is necessary.
Lavoisier said that respiration was a process like combustion.
24. Single celled organisms like Amoeba or Multicellular organisms like Hydra and Planaria? What is the Gases exchanging system?
25. Identify the correct one.
1. Grasshopper - Tracheal Respiratory system
 2. Fish - Branchial Respiration
 3. Crocodiles - Pulmonary Respiration

26. What does the diagram represents?



27. What is the Aim of given apparatus?



28. Which of the following is correct
- A) The diaphragm contracts - Volume of chest cavity increased
 - B) The Rib muscles contracts - Volume of chest cavity increased
29. Which prevent the entry of food into Trachea?
30. The given equation represents Respiration.

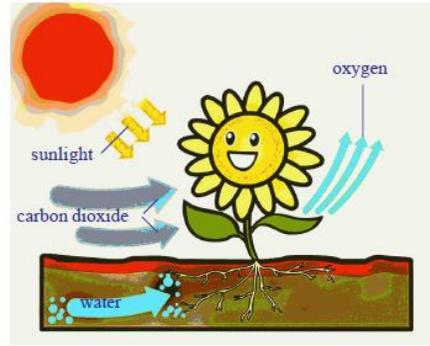
$$C_6H_{12}O_6 + 6O_2 \longrightarrow 6CO_2 + H_2O + \text{Energy}$$
 Where does this process occurs in human body?

II. Answer the following Questions(one mark Questions)

20×1 = 20

1. What is the life process in the given diagram?

Write photosynthesis C.B. Van neil equation?



2. Do you find any relationship between candle, rat, mint plant in the given diagram?



3. A) Which phenomenon can you prove by using given apparatus?



B) Which part of the leaf turns blue black?

4. A) Most leaves have the Upper surface more green and shiny than the lower ones why?

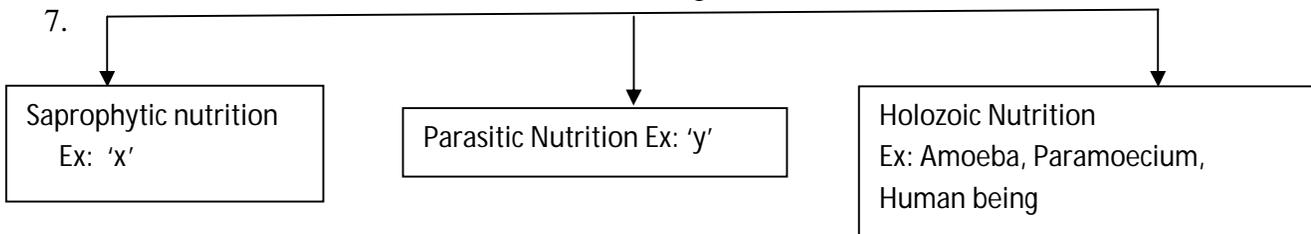
B) What makes chloroplast appear completely different from other cell organelles?

5. What are the Assimilatory powers? What are the end products of light reaction?

6. Identify the mismatched pair.

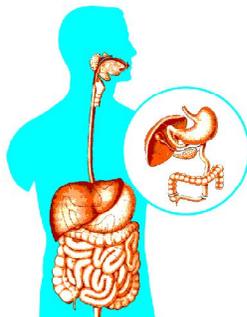
- | | | |
|---------------------------|---|---------------------------------------|
| 1. Pelletier and Caventou | - | Chlorophyll |
| 2. Engelman | - | Gas present in the bubbles was Oxygen |
| 3. C.B.Van Neil | - | Purple sulphur bacteria |
| 4. Mohl's | - | Light is essential |

7.



What is 'x' and 'y'?

8. Name at least two glands associated with human digestion from the given figure.



9. Define 'Mastication' and 'Bolus' ?

10. What is 'x' and 'y'?

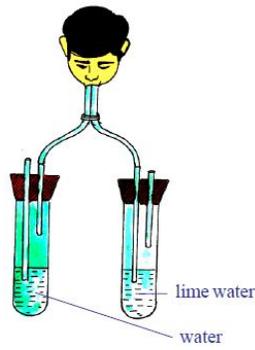
Vitamin	Deficiency Disease
Ascorbic Acid	'x'
'y'	Eye, Skin diseases

11. What will happen if respiratory tract is not moist?"

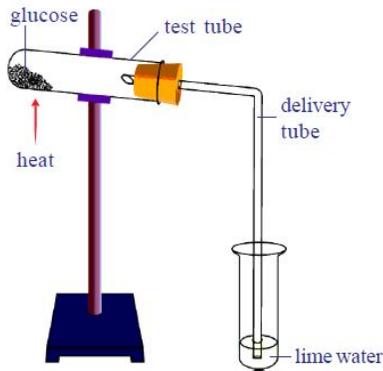
12.

A) What does this experiment indicate?

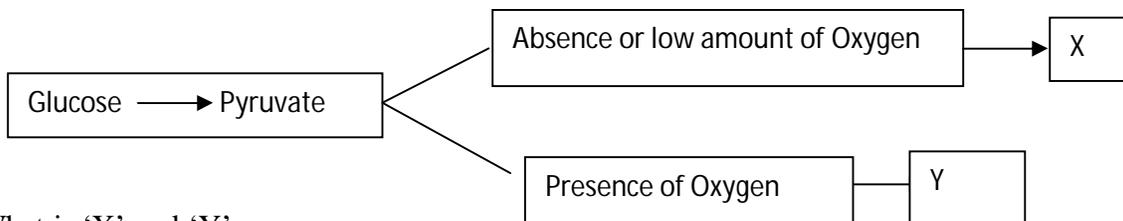
B) Which gas turns lime water milky?



13. Write any two observations from the given experiment?



14.



What is 'X' and 'Y'.

- 15. Ramu participated in 100m running race. Somu participated in 3000 m running race. Who is suffer from Muscle Pain? What is the reason?
- 16. Jaya said that photo synthesis occurs only during the day time. Kamala said that Respiration occurs only during night time. Who is correct? Rewrite the correct sentence?
- 17. Write the use of diazine green solution and liquid paraffin in the anaerobic respiration by yeast experiment?

18.

Gas	% in inhaled Air	% in Exhaled Air
Oxygen	21	16
Carbon dioxide	0.03	4.4

- A) Why does the amount of Oxygen vary between exhaled and inhaled Air?
- B) What has raised the % of CO₂ in exhaled air?

19. What is Pleura? Why the left lung is smaller than the Right Lung?

20. Identify the incorrect one.

- 1. John Daper - Human Physiology
- 2. Lavoisier - Chalky Acid gas Oxygen
- 3. Robinson - Respiration is a type of combustion.