



INDIAN SCHOOL NIZWA - WORKSHEET

BIOLOGY

CH.5 LIFE PROCESSES (Board Questions-Holiday HW)

Name: _____

Date: _____

Class: X Sec: ____

Answer the following questions:	
1.	Define the following :i) photolysis of water , ii) light reaction , iii) photosynthesis
2.	Where are photosynthetic pigments located in the chloroplast?
3.	What is the specific function of light in photosynthesis?
4.	What is the source of O ₂ in photosynthesis?
5.	What are the functions of stomata?
6.	What so you understand by parasitic nutrition?
7.	What is the role of water in photosynthesis?
8.	Explain the process of nutrition in amoeba
9.	Explain the mechanism of closing and opening of stomata.
10.	What is saprophytic mode of nutrition?
11.	Mention any one point of difference between Pepsin and Trypsin.
12.	What would be the consequences of deficiency of haemoglobin in your body?
13.	Why do the walls of trachea not collapse when there is less air in it?
14.	How is the length of intestine related to the food habit of an animal? Explain the reason.
15.	Discuss how the roles of vena cava and pulmonary veins different from each other.
16.	The rate of breathing in aquatic organisms much faster than in terrestrial organisms. Explain why?
17.	(a) Draw a diagram of human alimentary canal. Name and label the following parts : (i) Largest gland (ii) Gland that secretes digestive enzymes and hormone (iii) Part where HCl is produced. (iv) Part where digested food is absorbed. (b) What are villi? Explain their function in the digestive system.
18.	How many different types of cells can you observe in the temporary mount of leaf epidermis? How will you differentiate between them on the basis of their shape?
19.	(a) Draw a diagram of human respiratory system and label the following : (i) Part where air is filtered by fine hair and mucus



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	<p>(ii) Part which terminates in balloon – like structures</p> <p>(iii) Balloon – like structures where exchange of gases takes place.</p> <p>(iv) Part which separates chest cavity from abdominal cavity.</p> <p>(b) Why is the rate of breathing in aquatic organisms much faster than in terrestrial organisms?</p>
20.	<p>Draw the diagram of sectional view of human heart and on it name and label the following parts :</p> <p>(a) The chamber of the heart that pumps out de-oxygenated blood.</p> <p>(b) The blood vessel that carries away oxygenated blood from the heart.</p> <p>(c) The blood vessel that receives de-oxygenated blood from the lower part of our body.</p>
21.	<p>Explain the statement, bile does not contain any enzyme but it is essential for digestion.</p>
22.	<p>“All plants give out oxygen during day and carbon dioxide during night”. Do you agree with this statement? Give reason.</p>
23.	<p>During breathing cycle what is the advantage of residual volume of air in lungs? Explain.</p>
24.	<p>Name the energy currency in the living organisms. When and where is it produced?</p>
25.	<p>Two green plants are kept separately in oxygen free containers, one in the dark and the other in continuous light. Which one will live longer? Give reasons.</p>