

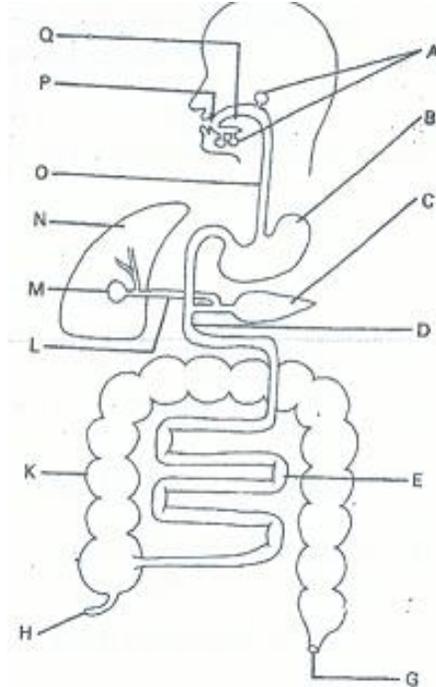


INDIAN SCHOOL MUSCAT
SENIOR SECTION
DEPARTMENT OF BIOLOGY
CLASS X
LIFE PROCESSES
NUTRITION
WORK SHEET 1

- 1 *What is life process?* 1
- 2 *Name the type of nutrition* 1
 - a) *Fungi like bread mould , yeast , mushroom breakdown the food materials outside the body and absorb it.*
 - b) *Cuscuta , lice and ticks derive nutrition from plants or animals without killing them.*
- 3 *Name the stored form of carbohydrate in animals and plants.* 1
- 4 *In the experiment “Light is essential for photosynthesis” why do the uncovered part of the leaves turn blue black after putting iodine solution?* 1
- 5 *Small intestine is the site of complete digestion of carbohydrate, protein and fat. Name the end products of their digestion.* 1
- 6 *Leaves of a healthy potted plant were coated with Vaseline to block the stomata. Will this plant remain healthy for long? State three reason for your answer.* 2
- 7 *What are the major events occurring during the process of photosynthesis?* 2
- 8 *Chewing a piece of bread in the mouth for a period of time makes it sweeter. Give reason.* 2
- 9 *Which digestive secretion does not contain any enzyme but is very important in the process of digestion. Comment on it.* 2
- 10 *Why is small intestine in herbivores longer than in carnivores?* 2
- 11 *Explain the mode of feeding in amoeba. Draw diagrams to illustrate* 3
- 12 *Match the following pair of statements (associated with an experiment in photosynthesis) and place them in the correct order in which they occur* 3

<i>Boil leaf in water</i>	<i>Prevent fire</i>
<i>Cover with iodine solution</i>	<i>Removes chlorophyll</i>
<i>Boil leaf in ethanol</i>	<i>Kills leaf</i>
<i>Use of water bath</i>	<i>Stain starch</i>
- 13 *What is peristalsis? . Explain both mechanical as well as the chemical part of digestion of food in the mouth of man.* 3
- 14 *Villi are richly supplied with blood vessels and take the absorbed food to each every cells of the body where it is utilized. Mention the name of the major absorbed nutrients and their utilization.* 3
- 15 *Explain the process of digestion of food in the stomach. Briefly mention the role of hydrochloric acid in the stomach.* 3

- 16 What is emulsification? Explain the process of fat digestion in the gut of man. 3
- 17 Below is a diagram of the human digestive system .Label all the parts. 5
Also write the letter and name the part of the digestive system where ever applicable



- I) where is Bile
- Made?
 - Temporarily stored
 - Mixed with food
 - What does bile do?
- II) Where is Trypsin(enzyme)
- Made?
 - Name the substrate
 - Write the end product

BOARD QUESTIONS		
1	Mention how organisms like bread mould and mushrooms obtain their food	2
2	Name the enzyme present in the saliva. Mention its role in food digestion .	1
3	<ol style="list-style-type: none"> Draw a diagram of the human alimentary canal Label Liver , Gall Bladder , Pancreas and Colon on the diagram drawn State the function of trypsin (present in pancreatic juice) during digestion process 	5

