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**Max Time : 1 hr** **Class = 10th Science Test**  **Max Marks : 20**

**LIFE PROCESS [NUTRITION]**

1. Multiple choice questions : [ 1 X 6 = 6]
2. Select the correct statement :
3. Heterotrophs do not synthesis their own food
4. Heterotrophs utilize solar energy for photosynthesis
5. Heterotrophs synthesis their own food
6. Heterotrophs are capable of converting carbon dioxide and water into carbohydrates.
7. Which part of alimentary canal receives bile from the liver?

|  |  |  |  |
| --- | --- | --- | --- |
| a) Stomach | b) Small intestine | c) Large intestine | d) Oesophagus |

1. In which part of the alimentary canal food is finally digested?

|  |  |  |  |
| --- | --- | --- | --- |
| a) Stomach | b) Mouth cavity | c) Large intestine | d) Small intestine |

1. Oxygen liberated during photosynthesis comes from:

|  |  |  |  |
| --- | --- | --- | --- |
| a) Water | b) Chlorophyll | c) Carbon dioxide | d) Glucose |

1. Which is the first enzyme to mix with food is finally digested?

|  |  |  |  |
| --- | --- | --- | --- |
| a) Pepsin | b) Cellulase | c) Amylase | d) Trypsin |

1. The internal (cellular) energy reserve in autotrophs is :

|  |  |  |  |
| --- | --- | --- | --- |
| a) Glycogen | b) Protein | c) Starch | d) Fatty acid |

1. Why is energy required by an organism even during sleep? [ 1 ]
2. Which is the largest gland in the human body? [ 1 ]
3. Write the name of ‘site’ and ‘pigment’ of photosynthesis. [ 1 ]
4. What protects the inner lining of stomach from Hydrochloric acid? [ 1 ]
5. Why does absorption of digested food occur mainly in the small intestine? [ 2 ]
6. Explain Photochemical phase of photosynthesis. [ 2 ]
7. Explain the nutrition process in an Amoeba. [ 3 ]
8. Draw the diagram of alimentary canal of man and label the following parts : Mouth , Oesophagus , stomach , Intestine [ 3 ]