

INTERNATIONAL INDIAN SCHOOL BURAI DAH
WORKSHEET FOR THE ACADEMIC YEAR 2025-26
Class-7th Subject : Science
Lesson: 1 NUTRITION IN PLANTS

A. Fill in the blanks:

1. _____ energy is absorbed by the chlorophylls present in leaves.
2. An organism that obtains nutrients from dead and decaying organic matter is called _____.
3. Light energy is converted into chemical energy during the process of _____.
4. The food factories of the autotrophic plants are their _____.
5. The nucleus in the cell is surrounded by a jelly like substance called _____.
6. The food synthesized by plants is stored as _____.

B. Multiple choice questions

1. Cuscuta is an example of –
(a) Autotroph
(b) Parasite
(c) insectivorous
(d) Host
2. Which of these components of food can be synthesized by plants?
(a) Carbohydrate
(b) Fats
(c) Proteins
(d) All of these
3. Which of these is/are necessary for photosynthesis to take place-?
(a) Carbon dioxide
(b) Chlorophyll
(c) Water
(d) All of these

C. Name the following:

1. The end product of photosynthesis
2. Green coloured pigment present in the leaves
3. Give one example of saprotroph.
4. The gas that is produced during photosynthesis
5. Give an example of a parasitic plant.
6. Give one example for autotrophs.

D. The question below consists of an Assertion and a Reason. Use the following key to choose the appropriate answer.

- a) Both **A** and **R** are true and **R** is the correct explanation of **A**.
- b) Both **A** and **R** are true but **R** is not the correct explanation of **A**.
- c) **A** is true but **R** is false.
- d) **A** is false but **R** is true.

1. Assertion (A): Plants make their food themselves and are called autotrophs.

Reason (R): Human beings and other animals depend on plants for their food.

2. Assertion (A): The product of photosynthesis is a complex chemical substance called carbohydrate.

Reason (R): The food synthesized by plants is stored as sugar.

E. Answer the following questions:

- 1. Define: a) Nutrition b) Autotrophs c) Stomata d) Saprotrophic nutrition
- 2. Give two examples of autotrophs and heterotrophs.
- 3. Write the equation for photosynthesis.
- 4. Draw a well labelled diagram showing photosynthesis.

Lesson :2 NUTRITION IN ANIMALS

A. Fill in the blanks:

- 1. The large intestine is responsible for the absorption of _____.
- 2. The _____ stores bile juice secreted by the liver.
- 3. _____ is the process of taking food into the body.
- 4. The breakdown of complex components of food into simpler substances is called _____.
- 5. Grass eating animals like cow, buffalo, etc. quickly swallow the grass and store it in a part of the stomach called _____.

B. Multiple choice question:

- 1. In ruminants, the partially digested food returned to the mouth is called-
(a) Chyme (b) Bolus (c) Cud (d) Bile
- 2. Which part of the digestive tract is involved in the absorption of water from undigested food?
(a) Small intestine (b) Stomach (c) Oesophagus (d) Large intestine
- 3. What is the primary function of villi in the small intestine?
(a) Digesting food (b) Storing food (c) Absorbing nutrients (d) Secreting enzymes
- 4. Which of these is not a part of the human digestive system?
(a) small intestine (b) oeshphagus (c) Heart (d) stomach

C. Name the following:

1. The teeth used for cutting and biting food
2. The secretion of liver
3. A single-celled organism that captures food using pseudopodia.
4. Largest gland in human.

D. The question below consists of an Assertion and a Reason. Use the following key to choose the appropriate answer.

- a) Both **A** and **R** are true and **R** is the correct explanation of **A**.
- b) Both **A** and **R** are true but **R** is not the correct explanation of **A**.
- c) **A** is true but **R** is false.
- d) **A** is false but **R** is true.

1. **Assertion (A):** The small intestine is about 7.5m long and highly coiled.

Reason (R): The small intestine is smaller as compared to large intestine.

2. **Assertion (A) :** Pancreas secretes a juice called bile juice.

Reason (R) : Bile juice is stored in gall bladder.

3. **Assertion(A) :**Our mouth has the salivary glands which secrete saliva.

Reason (R): The saliva breaks down the starch into sugar.

E. Answer the following questions:

1. Explain the functions of hydrochloric acid secreted by the inner lining of the stomach.
 2. Draw the neat and well labelled diagram of amoeba .
 3. Draw the well labelled diagram of human digestive system.
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