



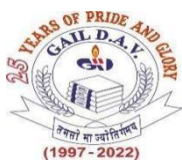
**GAIL DAV PUBLIC SCHOOL**  
**GAIL GAON, DIBIYAPUR**  
**ASSESSMENT WORKSHEET**  
**NUTRITION IN PLANTS**  
**Session 2026-27**

**SUBJECT-SCIENCE**

**CLASS -VII**

Q.No	ANSWER THE FOLLOWING QUESTIONS
1	What are the raw materials required for photosynthesis? (a) Oxygen and water                      (b) Carbon dioxide and oxygen (c) Carbon dioxide and water      (d) Nitrogen and sunlight
2	The bacterium that fixes atmospheric nitrogen in leguminous plants is? (a)Lactobacillus                      (b)E.Coli (c)Rhizobium                      (d)Fungi
3	Plants store energy from the sun in the form of? (a)Kinetic                      ( b)Chemical (c)Nuclear                      (d)Heat
4	<i>Cuscuta</i> is an example of a? (a) Autotroph                      (b) Parasite (c) Saprotroph                      (d)Host
	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.
5	Assertion (A) : Water and minerals present in soil are absorbed by roots and transported to leaves. Reason (R) : Carbon dioxide from air is taken through stomata present on the surface of leaves.
6	Assertion (A) : Some plants are heterotrophic . Reason (R): Few plants can not synthesize food on their own depend upon other plants and small animals.
7	If a plant is kept in a dark room for a few days, it turns yellow. Why?
8	A plant is kept in a dark room for 48 hours and then tested for starch. What will be the result and why?
9	Why do farmers not need to apply nitrogenous fertilizers to pulses?

<b>10</b>	A goat eats away all the leaves of a small plant (balsam). However, in a few days, new leaves could be seen sprouting in the plant again. How did the plant survive without leaves?
<b>11</b>	Why would a plant die if all its stomata were blocked with grease?
<b>12</b>	<p><i>Plants are the only organisms that can prepare food for themselves using simple, naturally available raw materials. They use a green pigment called chlorophyll to capture sunlight, which provides the energy needed to synthesize food from carbon dioxide and water. This process is called photosynthesis and takes place in the leaves. The products of this process are carbohydrates and oxygen. Oxygen is released into the atmosphere, while the carbohydrates are stored as starch in various parts of the plant.</i></p> <p>a) Why is photosynthesis not possible in the absence of sunlight?  b) If we keep a plant in a closed, sealed bell jar with a burning candle, what will happen?  c) Define nutrition in an organism?  d) Why do farmers grow many fruits and vegetable crops inside large greenhouses? What are the advantages to the farmers?</p>
<b>13</b>	How is a pitcher plant both an autotroph and a heterotroph?
<b>14</b>	<p>Unscramble the following to form terms related to modes of nutrition</p> <p>(a) RASPAEIT  (b) ROPEHYTSAP  (c) TOROPHAUT  (d) SIBIOMSYS</p>
<b>15</b>	If a tree is covered by a parasite like Cuscuta (Dodder), what will happen?




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ASSESSMENT SHEET  
NUTRITION IN ANIMALS**

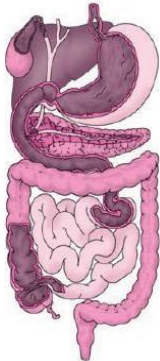
**SUBJECT-SCIENCE**

**SESSION (2026-27)**

**CLASS-VII**

<b>QNO.</b>	<b>ANSWER THE FOLLOWING QUESTIONS</b>
<b>1</b>	Compare nutrition in amoeba and human beings?
<b>2</b>	What happens to the food in the stomach?
<b>3</b>	Why do we get instant energy from glucose?

4	<p>Which of the following pair of teeth differ in structure but are similar in function?</p> <p>(a) Canines and incisors                      (b) Molars and premolars.  (c) Incisors and molars.                      (d) Premolars and canines.</p>
5	<p>Choose the correct order of terms that describes the process of nutrition in ruminants.</p> <p>(a) Swallowing → partial digestion → chewing of cud → complete digestion  (b) Chewing of cud → swallowing → partial digestion → complete digestion  (c) Chewing of cud → swallowing → mixing with digestive juices → digestion  (d) Swallowing → chewing and mixing → partial digestion → complete digestion</p>
6	<p>In the following questions, a statement of assertion (A) is followed by a statement of reason (R). Mark the correct choice as:</p> <p>(a) Both assertion (A) and reason (R) are true and reason (R) is the correct explanation of assertion (A).  (b) Both assertion (A) and reason (R) are true but reason (R) is not the correct explanation of assertion (A).  (c) Assertion (A) is true but reason (R) is false.  (d) Assertion (A) is false but reason (R) is true.</p> <p>Assertion (A) : Digestion of carbohydrates, like starch, begins in buccal cavity.  Reason (R) : The digested food is absorbed in the blood vessels from small intestines.</p>
7	<p>'A' got her gallbladder removed surgically as she was diagnosed with stones in her gallbladder. After the surgery, she faced problems in the digestion of certain food items when consumed in bulk. Can you tell which kind of food items would they be and why?</p>
8	<p>Fill in the blanks with suitable words:</p> <p>(a) The alimentary canal stretches from _____ to _____.</p> <p>(b) Teeth are rooted in separate in between the _____.</p> <p>(c) Digestion of food starts in _____ and gets completed in _____.</p> <p>(d) _____ is the largest gland in the human body.</p>
9	<p>Label the below-given Figure as directed below in (i) to (iv) and give the name of each type of teeth.</p> <div style="text-align: center;">  <p>Fig. 2.1</p> </div>

	<p>(i) The cutting and biting teeth .  (ii) The piercing and tearing teeth.  (iii) The grinding and chewing teeth.  (iv) The grinding teeth present only in adults .</p>
10	 <p><b>Fig. 2.2</b></p> <p>Label the following parts in Figure and name them.</p> <p>(a) The largest gland in our body.  (b) The organ where protein digestion starts.  (c) The organ that releases digestive juice into the small intestine.  (d) The organ where bile juice gets stored.</p>
11	<p><b>Boojho and Paheli were eating their food hurriedly so that they could go out and play during the recess. Suddenly, Boojho started coughing violently. Think of the reasons why he was coughing ?</b></p>
12	<p><b>Boojho took some grains of boiled rice in a test tube 'A', and Paheli took boiled and chewed rice in a test tube 'B'. Both of them poured 1 – 2 drops of iodine solution into the test tube and observed the colour change. What colour change would they have observed? Give reasons for your answer.</b></p>
13	<p>Choose the odd one out from each group and give reasons.</p> <p>(i) Liver, salivary gland, starch, gall bladder  (ii) Stomach, liver, pancreas, salivary gland  (iii) Tongue, absorption, taste, swallow  (iv) Oesophagus, small intestine, large intestine, rectum</p>
14	<p><b>Can we survive only on raw, leafy vegetables/grass? Discuss.</b></p>
15.	<p><b>Write the number of different types of teeth present in mouth?</b></p>