

New Era High School, Panchgani																	
Assignment 1	Class VII																
Subject	Science																
Topic/Chapter 1	Nutrition in Plants																
Subtopic	<ul style="list-style-type: none"> • Mode of Nutrition-Autotrophic • Process of Photosynthesis 																
Time Line	1 week(27 th April-2 nd May,2020)																
Resources	<ul style="list-style-type: none"> • NCERT text Book(online) 																
General Instructions	<ul style="list-style-type: none"> • Please refer to the NCERT Text book/online text book. • Read the chapter and write the summary in your own words. Click a picture of the written summary and send it through email. • The students should scan the written assignments or click a picture of the written assignments and send by an email to deepa.ranjane@nehs.in • The assignment should be sent on or before May 2,2020 and hard copy as they report to the school. • Any queries will be resolved through the mail. • The assignments given are mandatory and part of your internal assessment. 																
Assignment 1	<p>Answer the following question:</p> <ol style="list-style-type: none"> 1. Leaves are called the kitchen of a plant. Give reasons. 2. How would you test the presence of starch in the leaves? 3. List the conditions necessary for the process of photosynthesis. 4. Why can't we perform the process of photosynthesis like plants? 5. Do all plants around you have green colored leaves? If not, do the colored leaves perform the process of photosynthesis. 6. As we breathe in air through our nostrils, how do plants exchange the gases? 7. Why do you think Life on Earth would be impossible without photosynthesis? 8. Why is the sun considered as the ultimate source of energy for all things? 9. Give the mode of nutrition for the following: <table style="width: 100%; border: none;"> <tr> <td style="width: 25%;">a. Amerbel</td> <td style="width: 25%;">b. Rose</td> <td style="width: 25%;">c. Pitcher plant</td> <td style="width: 25%;">d. Deer</td> </tr> <tr> <td>e. Cow</td> <td>f. Mushroom</td> <td>g. Pig</td> <td>h. Cabbage</td> </tr> <tr> <td colspan="4">i. Yeast</td> </tr> <tr> <td colspan="4">j. Man</td> </tr> </table> 10. If two similar potted plants A & B are taken such that: Plant A is kept in the dark or a black box for 72 hours (3 days), Plant B is kept in sunlight. Iodine test is conducted with the leaves of both plants. Which plant leaf tests positive for the test and why? 	a. Amerbel	b. Rose	c. Pitcher plant	d. Deer	e. Cow	f. Mushroom	g. Pig	h. Cabbage	i. Yeast				j. Man			
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Activity	<ol style="list-style-type: none"> 1. Perform the following activity at your home. <p>Activity 1</p> Take two potted plants. Mark them as plant A and plant B. Keep Plant A in a dark room for four -five days. 																

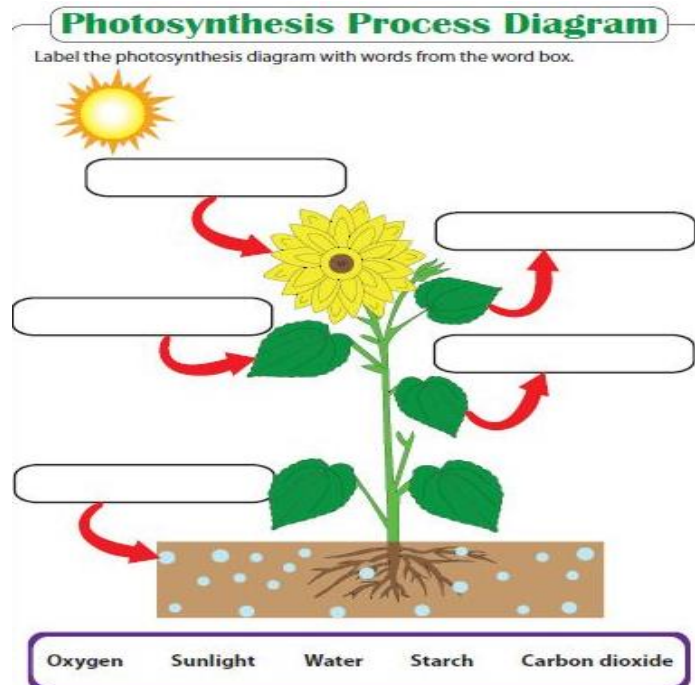
Keep plant B in the open area and stop watering for two days. What are your observations and the conclusion for both the plants?

2. **Activity 2**

Take a few leaves of a potted plant and coat them with a thin layer of Vaseline or oil.

Observe the effect of the applications on the leaves.

3. Observe the diagram illustrated below and draw a neatly labelled diagram on your own.



Subject Teacher: Ms. Deepa Ranjane.