

# CARMEL ENGLISH SCHOOL, KALLATA

(Secondary & Senior Secondary School, Affiliated to CBSE, New Delhi)

COVID-19 HOLIDAY HOME ASSIGNMENT

SUBJECT: SCIENCE

Date : 15-21 APRIL 2020

## NUTRITION IN PLANTS

### Part 1

NCERT Class 7 Science Chapter 1: Nutrition in

Pla...: <https://youtu.be/ztpGMvwhxeE>

### Part 2

7 Science - Nutrition in plants - Modes of nutrit...: <https://youtu.be/6gNSQGV9Z8>

### Part 3

7 Science - Nutrition in plants - Photosynthesis: <https://youtu.be/0CxCAkGb6Bs>

### Part 4

7 Science - Nutrition in animals - Nutrition and ...: <https://youtu.be/-XwmoCVyDzc>

### Part 5

7 Science - Nutrition in plants - Saprotrophs: <https://youtu.be/pjPQUoydm0c>

### Part 6

7 Science - Nutrition in plants - Fertilizers: <https://youtu.be/1oLn9jF2uFE>

## EXERCISES

1. Why do organisms take food?
2. Distinguish between a parasite and a saprotroph.
3. How would you test the presence of starch in leaves?
4. Give a brief description of the process of synthesis of food in green plants.
5. Show with the help of a sketch that plants are the ultimate source of food.
6. Fill in the blanks:
  - (a) Green plants are called \_\_\_\_\_ since they synthesise their own food.
  - (b) The food synthesised by plants is stored as \_\_\_\_\_.

(c) In photosynthesis solar energy is absorbed by the pigment called \_\_\_\_\_.

(d) During photosynthesis plants take in \_\_\_\_\_ and release \_\_\_\_\_ gas.

7. Name the following:

(i) A parasitic plant with yellow, slender and branched stem.

(ii) A plant that is partially autotrophic.

(iii) The pores through which leaves exchange gases.

8. Tick the correct answer:

(a) Cuscuta is an example of:

(i) autotroph      (ii) parasite      (iii) saprotroph      (iv) host

(b) The plant which traps and feeds on insects is:

(i) Cuscuta      (ii) china rose      (iv) pitcher plant      (iv) rose

9. Mark 'T' if the statement is true and 'F' if it is false:

(i) Carbon dioxide is released during photosynthesis. (T/F)

(ii) Plants which synthesise their food are called saprotrophs. (T/F)

