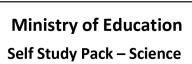
## Grade 7

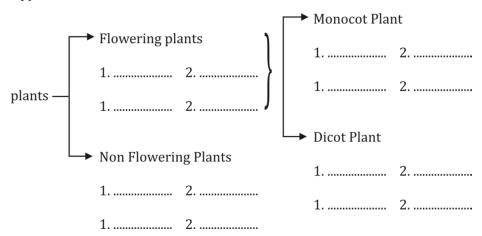




Grade 7

## **Diversity of Plants**

- 01. Supun is a student of grade 7. He has gone to the Botanical Garden with his family. Followings are his observations.
  - (i) Fill in the blanks.



ot and Dicot. What is the ?
ween main parts of dicot and

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(iv) Complete table considering the differences between Monocot and Dicot plant.

Ι.	dempite the transferred between Memoretal Breat plant					
	Part	Monocot	Dicot			
	Root					
	Stem					
	Branches					
	Leaves					
	Flowers					

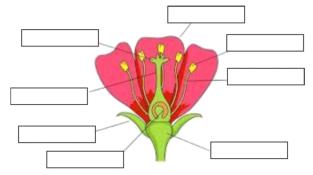
- (v) Supun observed the parts of different plants and its functions with the help of his father. Fill in the blanks by considering the functions of given plant parts.
  - (A) Photosynthesis
- 1. Root system

(B) Absorbing water

- 2. Flower
- (C) Baring all the parts
- 3. Stem
- (D) Reproduction
- 4. Seed
- (E) Keep the plant rigid
- 5. Apical bud

(F) Growth of the plant

- 6. Leaves
- (vi) Identify the parts of flowers and name them.



(vii) Write the function of each part of the flower.

•••	 	 	 	 	 	• • •

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result of				
esult of				
Flowers in the botanical garden show different adaptations to pollinate. By different pollinating agents. Name the pollinating agent for the followings.				
i				

02.



a)	) Complete the follow	ring table.	
	Plant	Dispersing method	Adaptaion
	Cashey		
	Wara		
	Gammalu		
	Hora		
	Mango		
	Coconut		
	Kumbuk		
	Kalanithissa		
	Orchid		
	Drumstic		
	Koodalu		
	Karalhaba Thuththiri		
	Castor	+	
	Paddy		İ
	m		
	Tomato		
	Nagadarana		
. Lea		the plant.	
. Lea	Nagadarana Lotus ves are main parts of	the plant. nction of plant leaves?	
	Nagadarana Lotus  ves are main parts of  What is the main fur	nction of plant leaves?	
(1)	Nagadarana Lotus ves are main parts of	nction of plant leaves?	
(1)	Nagadarana Lotus  ves are main parts of  What is the main fur	nction of plant leaves?	

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(3)	What is known as leaf venation.			
(4)	Complete the following table.			
(1)				
	Parallel venation	Reticulate venation		
	Diagram			
	Example			
	1	1		
	2	2		
	2	2		
	3	3		
		<u> </u>		
(5)		simple leaf. Draw a diagram of a simple		
	leaf			
(()	m 1 (11 1 ( ; 1 1			
(6)	Mention examples with a diagram.	are partially divided in to segments.		
	1 0			
	1			

Created by: Ms.H.M.M.B.Herath, St.Joseph's Balika Vidyalaya, Kegalle.



(8)	Some leaves are adapted fadaptation given below.	or special functions. Me	ntion 2 examples for ea
	(1) Vegetative propagation	on	
	(2) Store water		
	(3) Catching insects		
Roc	ot systems is an essential par	t for the plant.	
(1)	There are two types of root	t systems. What are they	?
	(a)	(b)	
(2)	What is the main function o		
(3)	Complete the following tab		
	Type of root	Example	Functions
	Prop roots Still roots		
	A erial roots		
	Climbing roots		
	Respiratory roots		
	Storage roots		
	Roots with root nodules		

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06.	(1)	The basic difference in any type of the stem is that whether the stem divides in to branches or not. Mention 5 examples for each.				
		(a)	Branched Stem			
		(b)	Unbranched stem			
	(2)	Wha	at are the 2 main functions of plant stem?			
		(a)				
		(b)				
	(3)	Plan	at stems show several adaptaion. Mention 2 example for each adaptation.			
		(a)	Photosynthesis			
		(b)	Stroing food in aerial stems			
		(c)	Storing food in underground stems			
		(d)	Vegetative propagation			

(e) Perennation