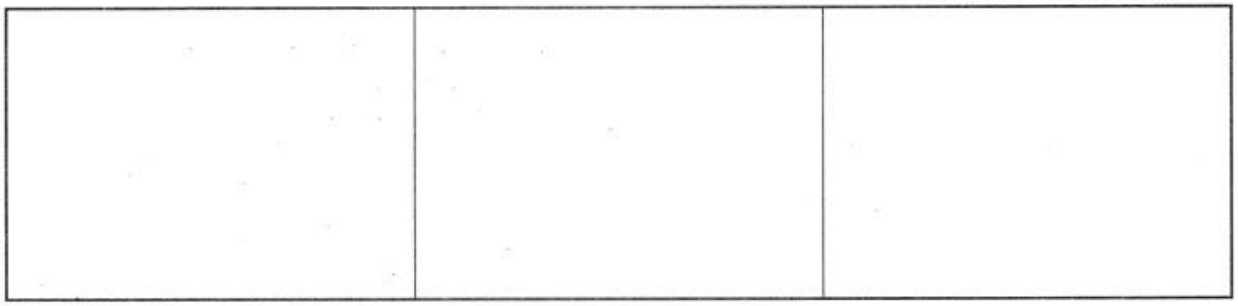
Grade 6 Getting to Know Plants Worksheets

A. Correct the following statements and rewrite them:

1. Stem absorbs water and minerals from the soil.
2. Leaves hold the plant upright.
3. Roots conduct water to the leaves.
4. The number of petals and sepals in a flower is always equal.
5. If the sepals of a flower are joined together, its petals are also joined together.
6. If the petals of a flower are joined together, then the pistil is joined to the petal.

B. Draw (i) a leaf, (ii) a tap root and (iii) a flower, you have studied:



C. Answer the following questions in short:

1. Can you find a plant in your house or in your neighbourhood, which has a long but a weak stem? Write its name. In which category would you classify it?
2. What is the function of a stem in a plant?
3. Which of the following leaves have reticulate venation?

(i) Wheat …….
(ii) Tulsi ……..
(iii) Maize ……..
(iv) Grass ……
(v) Coriander …….
(vi) China rose ……..

4. If a plant has fibrous root, what type of venation do its leaves likely to have?
5. If a plant has leaves with reticulate venation, what kind of roots will it have?
6. Is it possible for you to find out whether a plant has tap root or fibrous roots by looking at the impression of its leaf on a sheet of paper?
7. Write the names of the parts of a flower.
8. Which of the following plants have you seen? Of these that you have seen, which one have flowers?

Grass, maize, wheat, chilli, tomato, tulsi, pipal, shisham, banyan, mango, jamun, guava, pomegranate, papaya, banana, lemon, sugarcane, potato, groundnut

9. Name the part of the plant which produces its food. Name this process.
10. In which part of a flower, you are likely to find the ovary?
11. Name two flowers, each with joined and separated sepals.

12. How are creepers and climbers different from a herb, a shrub or a tree?
13. How can you find the types of roots of different plants looking at their roots?

D. Tick (✓) the correct option:

1. When pollen is transferred to the stigma of another flower, the process is called:
(a) conservation
(b) pollination
(c) germination
(d) fertilization

2. Which is the male part of the flower?
(a) Carpel
(b) Anther
(c) Stamen
(d) Filament

3. Seed is formed from:
(a) leaf
(b) flower
(c) ovary
(d) ovule

4. Rose plant is a:
(a) tree
(b) shrub
(c) herb
(d) climber

5. Which one of the following is the female part of the flower?
(a) Pistil
(b) Stamen
(c) Carpel
(d) Anther

E. Fill in the Blanks:

1. The two main parts of a flowering plant are the …….. system and the ……. system.
2. The arrangement of veins in a leaf is called …… .
3. …… and …….. are the productive parts of a plant.

4. ……. is the female part of the flower.
Leaves are green as they contain …… .

F. State True or False:

1. Fibrous root system has a main root. ……
2. Stigma, style and ovary are the parts of a stamen. ……..
3. The plants with a hard but thin stem are called shrubs. ……..
4. The topmost part of the pistil is called stigma. ……..
5. Stem absorbs water and minerals from the air. ……..

G. Match the following:

'A'	'B'
1. Cotton is a	a. Herbs
2. Tap roots are found in	b. Leaf
3. Garlic is a	c. Onion
4. Fibrous roots are found in	d. Shrubs
5. The food factory of the plant	e. Radish

H. Give one word to each of the following parts of a leaf?

1. Green flat part of leaf. ……
2. Attaches leaf to the stem. ……
3. Conduct food and water in the leaf. ……
4. Thick vein in the middle. ……

I. Complete the following Table based on categories of plants:

Plant name	Column 1 Height	Column 2 Stem				Column 3 Where do the branches appear		Column 4
		Green	Tender	Thick	Hard	At the base of the stem	Higher up on the stem	Category of plant
Tomato	Shorter than me	Yes	Yes					Herb
Mango	Much taller than me			Yes	Yes		Yes	Tree
Lemon	Slightly taller than me				Yes	Yes		Shrub

J. Names of plant parts are hidden in this grid. Search for them by going up, down or even diagonally forward as well as backward. Have fun!

O	V	U	L	E	L	Y	T	S	T	E	M
V	E	I	N	W	Q	H	E	R	B	P	I
A	N	I	M	A	L	Z	E	X	R	N	D
R	F	I	L	A	M	E	N	T	M	U	R
Y	A	R	A	B	L	C	O	D	B	E	I
L	E	E	U	O	F	O	L	G	H	I	B
A	L	H	I	I	R	J	A	L	K	U	R
T	M	T	N	O	T	P	P	Q	R	R	A
E	E	N	S	T	U	F	E	H	V	W	N
P	Y	A	M	G	I	T	S	Z	Z	N	C
F	L	O	W	E	R	E	H	T	N	A	H
S	T	A	M	E	N	N	S	E	P	A	L