



Unit 4 • Classification of Living Beings: plants

Name _____ Class _____ Roll no. _____ Date _____ Marks _____ / 26

1 Key words

[3]

Fill in the blanks with words from the box. One word in the box is not needed. Each blank carries 0.5 mark.

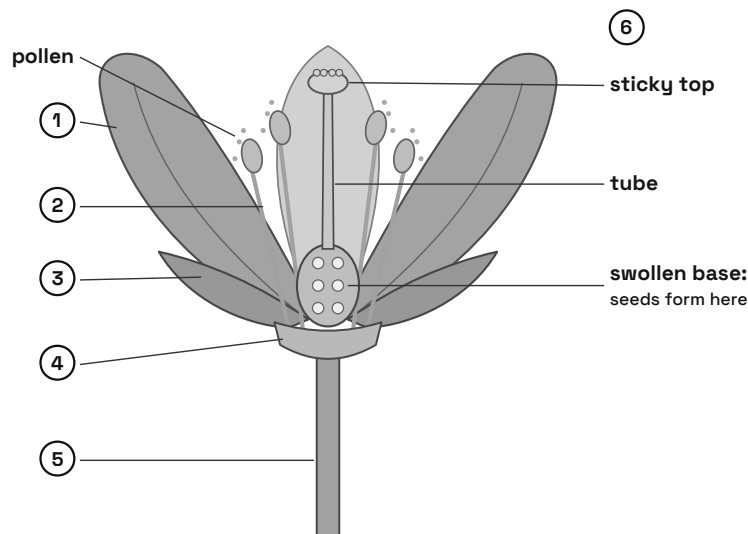
cotyledons node pedicel petiole pollen root system transpiration

The part of a plant under the soil is the _____. The place on a stem where a leaf grows out is a _____. The stalk of a leaf is called the _____. Giving out a plant's extra water through its leaves is called _____. The fine yellow dust made by the stamens is _____. The food in a seed is stored in its seed leaves, called _____.

2 Label the diagram

[3]

The diagram shows a flower cut in half. Write the names of the parts numbered 1 to 6. Each carries 0.5 mark.



- | | |
|----------|----------|
| 1. _____ | 2. _____ |
| 3. _____ | 4. _____ |
| 5. _____ | 6. _____ |

3 Multiple choice

[5]

Choose the correct option for each of the following questions.

i. Which parts make up the colorful part of a flower?

[1]

- | | |
|------------|------------|
| a. sepals | b. petals |
| c. stamens | d. carpels |



- ii. How many parts does a flower usually have? [1]
 a. 2 b. 4
 c. 5 d. 6
- iii. Which plants have parallel leaf veins? [1]
 a. bean and gram b. soybean and maize
 c. barley and paddy d. paddy and gram
- iv. Which of these is **not** a job of roots? [1]
 a. holding the plant in the soil b. taking in water and minerals
 c. storing food d. making food in sunlight
- v. [1]

Plant	Root	Stem	Leaf veins	Cotyledons
P	tap	solid	parallel	one
Q	fibrous	hollow	parallel	one
R	tap	solid	net	two
S	fibrous	hollow	net	two

Which plant is a dicot?

- a. P b. Q
 c. R d. S

4 Correct or wrong? [4]

Write ✓ if the sentence is correct and X if it is wrong. Each carries 1 mark.

- i. The part of a leaf between the leaf base and the lamina is called the petiole. (_____)
 ii. Barley is a monocot. (_____)
 iii. The stem of wheat is solid. (_____)
 iv. The outermost part of a flower is the calyx. (_____)

5 Monocot or dicot? [3]

Fill in the table with words from the box. One word in the box is not needed. Each blank carries 0.5 mark.

fibrous roots	net veins	one cotyledon	parallel veins	tap root	thalamus
two cotyledons					

Root: a monocot has _____, a dicot has a _____. Leaf veins: a monocot has _____, a dicot has _____. Seed: a monocot seed has _____, a dicot seed has _____.

6 Short answers [6]

Write short answers to the following questions.

- a. Write any two jobs of roots. [2]



b. Why is a gram plant called a dicot? Give any two reasons.

[2]

c. Why is a leaf called a plant's kitchen?

[2]

7 Think

[2]

Think, then answer.

Can petals make food? Give a reason.

8 Activity: One seed leaf or two? (Activity 4.15)

(not marked)

Soak seeds of gram, pea, maize and wheat in water for about 24 hours. Try to peel off each seed's cover and split it in two. Put a tick (✓) in the right boxes.

Seed	Cover came off	Split into two	Did not split	Monocot or dicot?
gram				
pea				
maize				
wheat				

