



# SMILES N SKILLS



## SCIENCE

### THE LEAF

Fill in the blanks

1. The base of the leaf may be swollen and the swelling is called \_\_\_\_\_
2. The leaf base is flattened to form a \_\_\_\_\_ which partly or completely surrounds the internode.
3. \_\_\_\_\_ holds up the leaf blade and connects it to the leaf base.
4. \_\_\_\_\_, present at the base of the petiole, protects the young leaf.
5. Petiole is \_\_\_\_\_ in monocots. Such leaves are called \_\_\_\_\_.
6. There are two main type of venation, namely \_\_\_\_\_ and \_\_\_\_\_.
7. \_\_\_\_\_ is an arrangement of veins and veinlets on the leaf blade.
8. \_\_\_\_\_ is an arrangement of leaves on the stem so that they get maximum sunlight.
9. \_\_\_\_\_ is the process by which the green parts of the plant, in the presence of sunlight use carbon dioxide and water to prepare food in the form of carbonhydrates.
10. Give at least one example of each phyllotaxy
  - (I) Alternate \_\_\_\_\_
  - (II) Opposite \_\_\_\_\_
  - (III) Whorled \_\_\_\_\_