

25. Explain the sources of the Carbon and Nitrogen of the plant, and the mode of their assimilation.
  26. Describe the pericarp, stating its normal structure, and naming some of its modifications.
  27. Explain the natural system in Botany, and state the gradation of groups from the species upward, with examples.
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## ONTARIO COLLEGE OF PHARMACY.

1. What do plants feed upon ?
2. What do you understand by the terms Acaulescent, Apetalous, Suffrutescent, Culm ?
3. Name some of the different forms of Primary, Secondary, and Aërial Roots, giving examples.
4. Explain the following terms descriptive of forms of leaves, giving sketch :—Ovate, Peltate, Crenate, Serrate, Cleft, Entire, Cuspidate, Perfoliate.
5. Explain difference between Determinate and Indeterminate inflorescence, giving three examples of each.
6. What organs are deficient in a sterile and a fertile flower ?
7. Give the parts of a perfect flower, with their relative position.
8. Give the difference between simple and compound Pistil, with examples of each.
9. Name the principal sorts of buds, and explain how the position of these affects the arrangement of branches.
10. Give description of multiple and primary roots, with two examples of same; also explain the difference between these and secondary roots.
11. Name the principal kinds of subterranean stems and branches, and explain how you would distinguish between these and roots.
12. In the classification of plants explain difference between classes and orders: genus and species.
13. Name three principal kinds of simple fruits.
14. When roots stop growing does the absorption of moisture increase or decrease ? Give reason for it.
15. Upon what do plants live ? Indicate how you would prove your answer correct.
16. In what part of the plant, and when, is the work of assimilation carried on ?
17. Name three principal kinds of *determinate*, and some of *indeterminate*, inflorescence; name the essential organs of a flower.
18. In what respects do plants differ from inorganic matter ? And from animals ?
19. Describe a Rhizome, Tuber, Bulb; and say if they belong to the root or stem. Which are Rheum, Jalapa, Sweet Potato, Onion ?