

PLANT REPRODUCTION QUESTIONS

1. Sketch a flower, labelling the petals, sepals, and the male and female parts.
2. Where, in a flower, will you find the gametes?
3. Do all flowers contain both male and female parts? Explain.
4. What is the difference between self-pollination and cross-pollination?
5. State 3 agents of cross-pollination.
6. What are the advantages and disadvantages of self-pollination and cross-pollination?
7. What are the differences between the seeds of a dicotyledon and a monocotyledon?
8. (a) What is a fruit?
(b) Which of the following are fruits - cherries, tomatoes, potatoes, lettuces, wheat grains, watermelons and corn kernels?
(c) What advantage is there in a flowering plant reproducing with a seed enclosed in a fruit?
9. What factors play a role in the germination of a seed?
10. (a) Explain briefly what is meant by the Alternation of Generations in plants.
(b) Which is usually larger - gametophyte or sporophyte?