



## Chapter 1: Sexual Reproduction in Flowering Plants

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Shri Classes & DBG Gurukulam (by IITian Golu Sir)

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### Quick revision: One-liner questions and answers

1. What is the reproductive part of a flowering plant? - The flower.
2. What is the male part of a flower called? - The Androecium.
3. The androecium is made of what units? - Stamens.
4. A stamen has which two parts? - The anther and the filament.
5. What part of the anther makes pollen? - The microsporangium (or pollen sac).
6. What is the ploidy of a microspore mother cell? - Diploid ( $2n$ ).
7. How do microspore mother cells form microspores? - Through meiosis.
8. What is the ploidy of a pollen grain? - Haploid ( $n$ ).
9. What is the hard outer layer of pollen? - The exine.
10. What tough material makes the exine? - Sporopollenin.
11. What is the thin inner layer of pollen? - The intine.
12. Name the two cells in a mature pollen grain. - The vegetative cell and generative cell.
13. Which pollen cell is larger and forms the pollen tube? - The vegetative cell.
14. Which pollen cell forms the two male gametes? - The generative cell.
15. What is the female part of a flower called? - The Gynoecium (or pistil).