

## JAYAKRISHNAN EDUTIPS

## **DAILY** STATIC GK QUIZ

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- **Key Characteristics of the Plant Kingdom:**
- **Eukaryotic**: Their cells have a true nucleus and membrane-bound organelles.
- Autotrophic: Most plants are autotrophs, meaning they produce their own food through photosynthesis using chlorophyll.
- Cell Wall: Plant cells have a rigid cell wall made of cellulose.
- Multicellular: All plants are multicellular organisms.
- **Non-motile**: Plants are generally stationary (fixed in one place).
- **Reproduction**: They reproduce both sexually and asexually. Alternation of generations (gametophyte and sporophyte stages) is common.
- Classification of the Plant Kingdom
- The plant kingdom is classified into two broad groups:
- 1. Non-Vascular Plants (Bryophytes)
- Lack vascular tissues (xylem and phloem) for transporting water and nutrients.
- Usually small and grow in moist environments.
- Examples: Mosses, liverworts, and hornworts.
- 2. Vascular Plants (Tracheophytes)
- Possess vascular tissues (xylem for water and phloem for nutrients).
- Divided into:
- Seedless Plants: Reproduce via spores.
- Examples: Ferns and horsetails.
- **Seed Plants**: Reproduce via seeds.
- **Gymnosperms**: Seeds are "naked" (not enclosed in fruits). Examples: Pine trees, conifers.
- **Angiosperms**: Seeds are enclosed in fruits. These are flowering plants and represent the most diverse group. Examples: Roses, grasses, and oak trees.







