

Study Guide Chapter 17

Plantae
Cuticle, stomata
Alternation of generations
Gametophyte/ Sporophyte
Gametes, spores, mitosis, meiosis, fertilization, zygote
Mosses, Bryophyta
Ferns, Monilophyta
Gymnosperms, Pinophyta
Angiosperms, Magnoliophyta
Vascular tissue: xylem/phloem
Pollen
Seed, fruit

Flower

- sepal
- petal
- stamen
- stigma
- style
- ovary

Fungi

Saprophytic
Filamentous
Hyphae
Mycelium
Chitin
Dikaryotic
Fruiting body, spores
Mycorrhizae
Lichen



Chapter 17 Concepts

1. Compare and contrast fungi and plants. Include cellular similarities and differences, modes of nutrition, reproduction and dispersal.
2. Explain five adaptations plants have evolved for success on land.
3. Describe the characteristics of the Kingdom Plantae and note the unique features of the mosses, ferns, gymnosperms and angiosperms.
4. Describe the structures of a typical flower and their functions.

