

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.

