Biology 211 Exam 3 Study Guide

Chapter 31—Plants:

Vocabulary:
- Apical meristems
- Charophyceans
- Cuticle
- Endosperm
- Fertilization
- Gametophyte
- Heterospory
- Homospory
- Plasmodemata
- Phloem
- Pollination
- Phragmoplast
- Sporophylls (sori, strobili)
- Sporophyte
- Xylem

Concepts:
- Four groups of plants
- Compare/contrast land plants and protists
- Alternation of generations
- Nonvascular seedless life cycle
- Fern life cycle
- Gymnosperm life cycle
- Angiosperm life cycle
- Double fertilization
- Advantages of seeds
- Dispersal of pollen/seeds
- Monocot vs Eudicot
- Parts of a flower

Chapter 32—Fungi:

Vocabulary:
- Chitin
- Dikaryotic/Heterokaryotic
- Hyphae
- Karyogamy
- Lichen
- Mycelium
- Mycorrhiza
- Plasmogamy
- Saprobies

Concepts:
- Traits of a fungi
- Why fungi need a large surface area
- Specialized hyphae
Fungi asexual reproduction
Zygomycota life cycle
Basidiomycota life cycle
Ascomycota life cycle
The Good
  Decomposers
  Symbionts with plants, algae, and animals
  Human uses
The Bad
  Pathogens