Bio 111 Final Exam Study Guide

Highlights

- 4 Major Biomolecules
- Protein Structure levels
- Molecular bonds and interactions
- Cell structure organelles
- Endomembrane System
- Nuclear membrane and transport
- Cellular Respiration, Fermenations
- Oxygen and Carbon Dioxide and glucose how are they used?
- Electron Transport Chains and chemiosmosis
- Photosynthesis
- Light Reactions and Calvin Cycle
- Electron transport chains
- Light
- Enzymes, Substrate, Active Sites, Competition
- Free Energy, Exergonic, Endergonic
- Signal Transduction
- Signals, Receptors, Transduction
- Cell Cycle
- Mitosis Meiosis
- Chromosome separation during division
- DNA replication
- 5' and 3' ends
- Chromatin
- Transcription
- Translation
- Start codons
- Mutations
- Lac operon
- Trp Operon
- Biotech
- Gel electrophoresis, Current and charge