



Present

# The Dissected World of Biology

1996 Cerebellum Corporation • 800-VCR-REVU

- I. Introduction**
- II. The Chemistry of Life**
  - A. Atoms
  - B. Covalent Bonds
  - C. Ions
  - D. Proteins and Amino Acids
- III. The Anatomy of a Cell**
  - A. Prokaryote vs. Eukaryote
  - B. Cell Structures and Organelles
- IV. Deoxyribonucleic Acid**
  - A. What is DNA?
  - B. Composition and Structure of DNA
- V. Ribonucleic Acid**
  - A. What is RNA?
  - B. RNA Polymerase and Transcription
  - C. Protein Shapes Revisited
  - D. Translation
- VI. Cellular Eating, Drinking, Transport**
  - A. Passive Transport
  - B. Active Transport
  - C. Endocytosis
- VII. The Cell-Cycle**
  - Mitosis**
    - A. Growth
    - B. The Cell Cycle
    - C. Phases of Mitosis
- VIII. Sex and Meiosis**
  - A. Sex - it is Meiosis
  - B. Meiosis Vs. Mitosis
- IX. Metabolism**
  - A. The Goods on Metabolism
  - B. Energy
  - C. Chemical Bonds. Oxidation and Reduction
  - D. Photosynthesis
  - E. ATP
  - F. Respiration