**CHAPTER 10 STUDY OUTLINE**

**CELL GROWTH AND DIVISON**

10.1 Cell Growth, Division, and Reproduction

1. Limits to Cell Size
   1. Information “Overload”
   2. Exchanging Materials
   3. Division of the Cell

10.2 The Process of Cell Division

1. Chromosomes
2. The Cell Cycle
   1. G1 Phase: Cell Growth
   2. S Phase: DNA Replication
   3. G2 Phase: Preparing for Cell Division
   4. M Phase: Cell Division
3. Mitosis
   1. Prophase
   2. Metaphase
   3. Anaphase
   4. Telophase
4. Cytokinesis
   1. Cytokinesis in Animal Cells
   2. Cytokinesis in Plant Cells