# **Ch. 23 Cell Division**

**Key Terms and Questions**

Essential Question: How are mitosis and meiosis the same and different?

**Key Terms:**

1. Cell cycle
2. Mitosis
3. Meiosis
4. Parent cell
5. Daughter cell
6. Chromosome
7. Gamete
8. Asexual reproduction
9. Sexual reproduction

**Key Questions**

1. What are the functions of cell division?
2. What are the 3 phases of cell division?
3. During which type of reproduction does mitosis occur?
4. During which type of reproduction does meiosis occur?
5. What happens to the number of chromosomes after cells undergo mitosis? After cells undergo meiosis?
6. What processes are responsible for passing hereditary information down from one generation to the next?
7. What are the characteristics of asexual reproduction (mitosis)?
8. What are the characteristics of sexual reproduction (meiosis)?
9. What is the difference between sexual and asexual reproduction?
10. How many cells are produced by meiosis? Mitosis?
11. How many steps are in mitosis? Meiosis?
12. If a cell has 6 chromosomes, how many cells will its daughter cells have after mitosis?