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## Chapter 14 Human Genetics Study Guide

### 14-1 Human Heredity

- What is a karyotype? How many chromosomes are shown in a karyotype?
- What are homologous chromosomes?
- What are autosomes?
- What are sex chromosomes?
- What sex chromosomes are found in males? In females?
- What is a pedigree used for?
- Know how to read a human pedigree
- What do all of the symbols used in a pedigree represent?
- Know the genetic disorders discussed in the chapter and their mode of inheritance (dominant, recessive, codominant, sex-linked)
- Which human trait is inherited by multiple alleles?
- What is sickle cell disease, and what causes it?

### 14-2 Human Chromosomes

- How are alleles linked?
- What chromosome are sex linked genes located on?
- Why are sex linked disorders more common in males than in females?
- What is a Barr body?
- What is nondisjunction? What does it cause?

# Human Genetics Study Guide

**Michael Cummings**



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