

## Chapter 5.2 Chromosomes and Chromosome Model

1. What is DNA made of?
2. Define chromosome.
3. How does DNA fit inside the nucleus of a microscopic cell?
4. What does DNA look like during interphase? Mitosis?
5. Why is DNA not coiled up during interphase?
6. Why is DNA condensed into chromosomes during mitosis?
7. Define histones.
8. Define chromatin.
9. Draw and label a condensed, duplicated chromosome.
10. What is the relationship between a molecule of DNA and a chromosome?