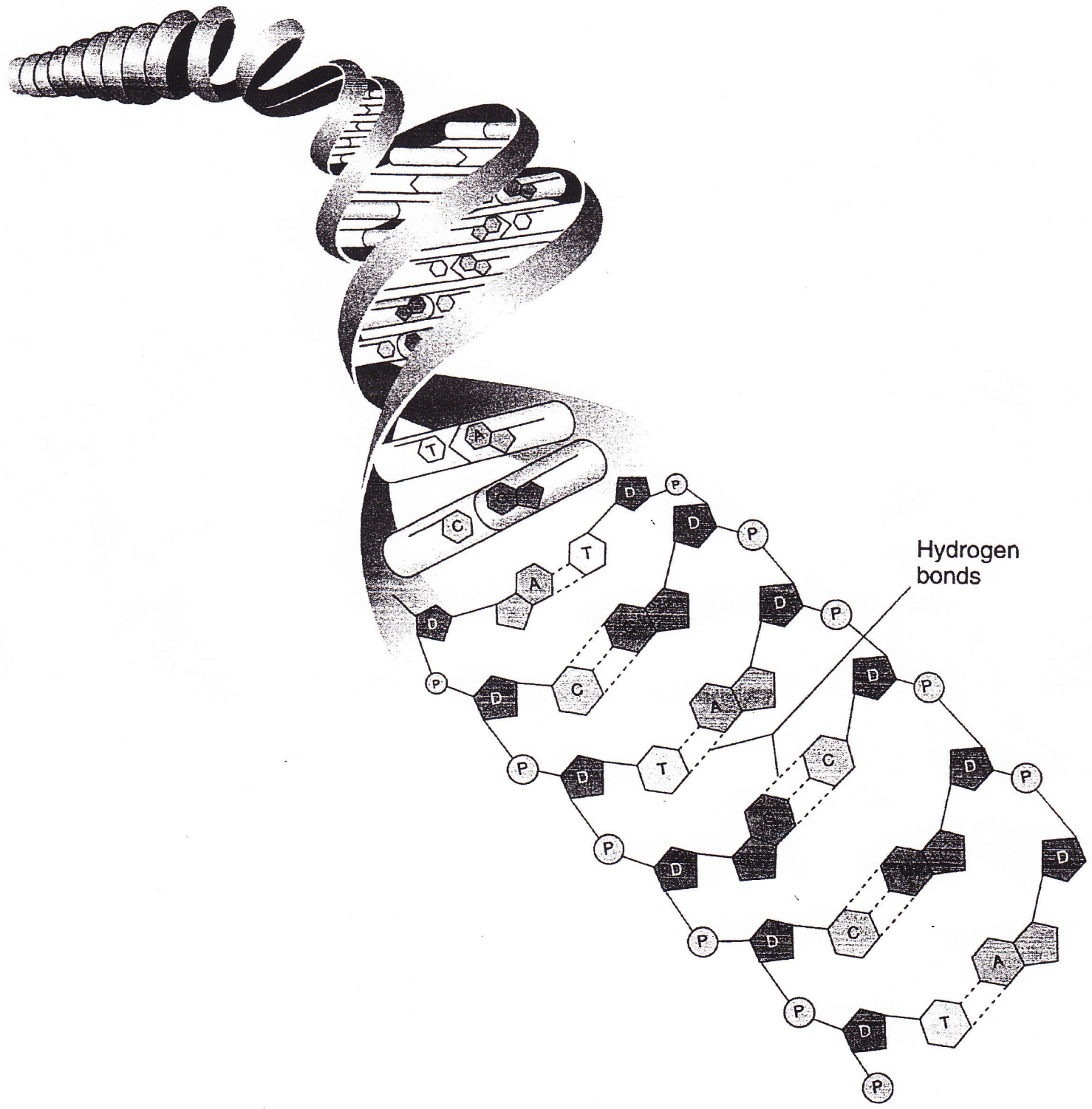


Name _____ Hour _____

DNA



Name _____ Hour _____

DNA

1. What are the components of a nucleotide? (pg. 291)
2. What are the four nitrogen bases in DNA? (pg. 291)
3. What holds the base pairs together? (pg. 294)
4. How does the chemical structure of cytosine and thymine differ from that of adenine and guanine? (pg. 291)
5. What is the nature of the chemical bond that joins the sugar of one nucleotide to the phosphate group of the next nucleotide? (Hint: Chapter 2, pg. 47)
6. Describe the shape of a DNA molecule. (pg. 294)
7. What distinguishes one species from another on the genetic level? (pg. 291)
8. What is the Human Genome Project? (pgs. 293, 357)