

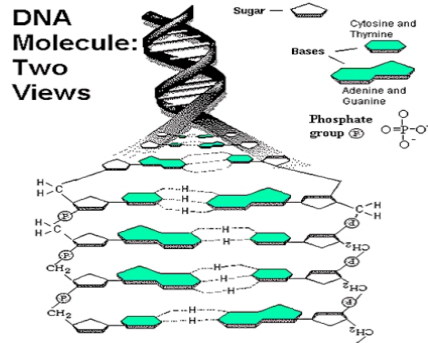
Name: _____

Biology I: Unit 2 (A DNA Mastery Unit) – Worksheet 1: DNA Structure

1. What do the letters DNA stand for?

2. Two scientists are given credit for discovering the structure of DNA. What is the name of those two scientists.
 - a. _____
 - b. _____
3. DNA is a **polymer**, which means that it is made up of many repeating single units (**monomers**). What are the monomers called?

4. The “backbone” of the DNA molecule is made up of two components, what are these?
 - c. _____
 - d. _____
5. There are four different variations of these monomers (four different bases), what are the names of



Complete each statement.

7. _____, guanine (G), cytosine (C), and thymine (T) are the four _____ in DNA.
8. In DNA, _____ always forms hydrogen bonds with guanine (G).
9. The sequence of _____ carries the genetic information of an organism.
10. The process of _____ produces a new copy of an organism's genetic information, which is passed on to a new cell.
11. The double-coiled shape of DNA is called a _____.