

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 those bases?

a. _____

b. _____

c. _____

d. _____

6. These bases are of two different types of molecules: purines and pyrimidines. Purines have _____ ring(s) in their structure, and pyrimidines have _____ ring(s) in their structure.

7. The two bases that are purines are:

a. _____

b. _____

8. The two bases that are pyrimidines are:

a. _____

b. _____

