

DNA: The Language of Life Review worksheet _____

(modified from Biology junction worksheet)

1. Describe how the experiments of Griffith, Avery and Hershey-Chase led to the discovery of the genetic molecule.
2. Sketch and label a DNA nucleotide.
3. What is the difference between a purine & a pyrimidine? Name 2 purines and 2 pyrimidines.
4. Who is responsible for determining the structure of the DNA molecule & in what year was this done?
5. The model of DNA is known as a _____ because it is composed of two _____ chains wrapped around each other.
6. What makes up the sides of a DNA molecule? What makes up the "steps" of a DNA molecule?
7. How did Rosalind Franklin contribute to determining the structure of DNA?
8. What type of bonds holds the DNA bases together? Are they strong or weak bonds?
9. How many base pairs are in a full turn or twist of a DNA molecule?