

## DNA WORKSHEET

1. Write out the full name for DNA. Deoxyribose nucleic acid
2. What is a gene? segment of DNA (instructions for protein)
3. Where in the cell are chromosomes located? nucleus
4. DNA can be found in what two organelles? mitochondria & chloroplasts
5. What two scientists established the structure of DNA? watson & Crick
6. What is the shape of DNA? Double helix
7. What are the sides of the DNA ladder made of? phosphate & Sugar (deoxyribose)
8. What are the "rungs" (steps) of the DNA ladder made of?  
nitrogen bases (A, T, C, G)
9. What sugar is found in DNA? Deoxyribose
10. How do the bases bond together? A bonds with T G bonds with C
11. DNA is made of repeating units called nucleotides
12. Why is DNA called the "Blueprint of Life"?  
Tells the cell what to do and how to work.
13. What holds the sides of the DNA ladder together? hydrogen bonds
14. What is the complementary sequence of DNA?  
A G C G T A T T A G C A C A G T T A C A G G A C  
T C G C A T A A T C G T G T C A A T G T C C T G
15. What are the sequences of the DNA strands on the coloring page?  
see letters on model

