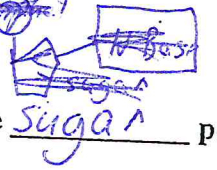
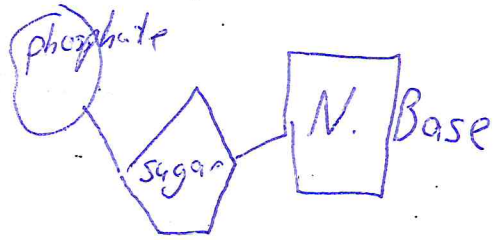
Answers are Located on Mr. Powell's blog.

Answer Key

Chapter 10 Study Guide

1. What molecule helps how genes function in making proteins that determine traits (characteristics) unique to an organism? P. 204 (top of page). DNA
2. What is the primary function of DNA? P. 196 (top of page) store genetic information.
3. What makes up DNA? P. 197 Nucleotide, ~~phosphate, Nitrogen~~ ~~Base~~
4. List the three parts of a DNA nucleotide. P.197 sugar, phosphate, Nitrogen Base
5. What type of bond joins the two strands of DNA together? P. 197 Hydrogen
6. Describe the 'double helix'. P. 197 2 sided 

7. Deoxyribonucleic acid is named after the Sugar portion of the DNA. P. 197
8. Draw a picture of a nucleotide. P. 197 

~~9. Define purine? P. 198~~

~~10. Define pyrimidine? P. 198~~

11. Who determined the model for the structure of DNA? P. 196. Watson + Crick
12. How was the DNA model described by Watson and Crick? P. 196 Double Helix
13. Describe the base pairing rules. P. 198 A=T, T=A G=C
14. If one strand of DNA is ATGCC, then the other strand connected to it must be TACGG. P. 198

~~15. What is the function of DNA polymerase? P. 200~~

~~16. Define *DNA replication* P. 200~~

~~17. What occurs during DNA replication? P. 200~~

18. If the original strand of DNA is GCCTA, then the new, complementary strand made would be CGGAT. P. 200 +198
19. What is the function of tRNA? P.205 Transfer amino acids to the Ribosom
20. What is the function of mRNA? P.205 Go to the ribosome. Instructions to make proteins