## Expectation Sheet DNA & Cell Cycle

NAME: **PERIOD** 

Look	at	the	DNA	strand	on	the	right.	
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1.	Fill	in	the	missing	bases		

Circle one nucleotide . . .

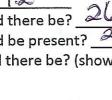
3. What type of bond holds these bases together?

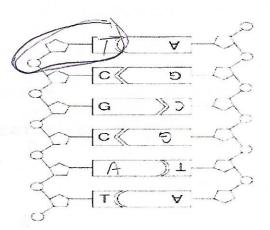
4. How many nucleotides are in this image of DNA?\_

5. If there was 26% Adenine, how much thymine would there be?

6. If there was 20% guanine, how much Cytosine would be present?

7. If there was 14% guanine, how much thymine would there be? (show 72:2= (36 your math)





8. If there was 24% adenine, how much guanine would there be? (show your math)

260

9. Traits are determined by the genetic code, what part of the DNA actually carries the code? No be see

10. What is semi conservative DNA? NOW DNA WAS ONE OSIAS NO Strand ? ONE

11. What is anti-parallel DNA? BAADSILE

12. Write the complimentary bases for the following strands:

3' ATC CGG GCA TTC GCC 5'

5 TAGGCCCGTAGCGG3

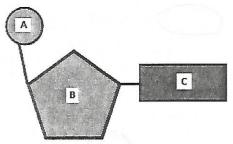
5' TTA GTA CCC TAG GGT AAC 3' 3 MAT CATGGGATL MATTGS

13. What determines what an organism is and their specific traits? Order of bases

14. (YES) / NO) Does a human and potato have the same DNA molecular parts?

15. (YES / NO) Does a human and a potato have the same nitrogenous base sequence within their DNA?

16. What is the monomer of a DNA molecule? Nucleotide



18. What is the name of this structure? Nucleotide

19. Name structure A Phosphate

20. Name structure B Deox univose sugar

21. Name structure C N ba

22. What is the polymer of this structure? DNA

23. Which part of this structure carries the genetic code Kases

22. What are the four bases possible on a DNA nucleotide?

