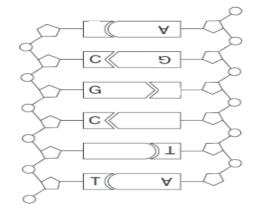
Expectation Sheet DNA & Cell Cycle

NAME:	
PERIOD	

Look	(at	the	DNA	strand	on	the	right.
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- 1. Fill in the missing bases . . .
- 2. 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 your math)



- 8. If there was 24% adenine, how much guanine would there be? (show your math)
- 9. Traits are determined by the genetic code, what part of the DNA actually carries the code?
- 10. What is semi conservative DNA? _____
- 11. What is anti-parallel DNA? _____
- 12. Write the complimentary bases for the following strands:

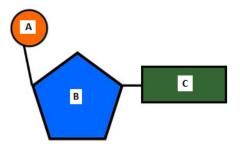
3' ATC CGG GCA TTC GCC 5'

5' TTA GTA CCC TAG GGT AAC 3'

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

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

- 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?
- 17. What is the polymer of a DNA molecule?



- 18. What is the name of this structure? ______
- 19. Name structure A _____
- 20. Name structure B _____
- 21. Name structure C
- 22. What is the polymer of this structure?
- 23. Which part of this structure carries the genetic code
- 25. Which part of this structure carries the genetic code
- 22. What are the four bases possible on a DNA nucleotide?

