BIO 1510 FLE Sr Worksheet: Chapter 14 Sr Leader: Erika Zavitsnak

1. The enzyme that relieves supercoiling is called _____.
2. What is the name of the strand that is synthesized continuously? _____ From how many primers is it synthesized? _____
3. How many origin do Plummers have? _____
4. The enzyme that removes the RNA primer and refills the gap with DNA is called _____.
5. What can be found at the 3' end of the pentose sugar in a molecule of DNA? _____
6. Who is responsible for the idea that if you know how many pyrimidines you have, then you know how many purine/bases you have? _____
7. Which enzyme is responsible for sealing the refilled strand of DNA _____
8. The bonds connecting Nitrogenous bases are called _____.
9. DNA is composed of my monomers called _____.
10. _____ _____ is the isotope that was used to label proteins.
11. DNA Polymerase I is responsible for the _____ of the RNA Primer. In addition to this responsibility, DNA Polymerase I also _____.
12. Who conducted an experiment with bacteriophages to support Avery's conclusion that _____ _____ _____.
13. DNA is said to be synthesized in the _____direction.
14. DNA Helicase is responsible for _____ the DNA.
15. DNA Ligase is responsible for _____ the gap of the newly _____ strand of DNA.
16. The strand of DNA from which the new strand of DNA is copied is called the _____ strand of DNA.
17. DNA Polymerase III is responsible for the _____ from DNA. It also has _____ activity.
18. Single strand binding proteins are responsible for _____ the DNA double helix from _____.
19. The strands of DNA in a double helix run in a(n) _____ direction.