

1. The enzyme that releases 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 steps do Primases take? \_\_\_\_\_.
4. The enzyme that removes the RNA primer and fills the gap with DNA is called \_\_\_\_\_.
5. What can be found at the 3' end of the parental sugar in a molecule of DNA? \_\_\_\_\_.
6. Why is responsible for the idea that if you know how many primers you have, then you know how many pyrimidines you have? \_\_\_\_\_.
7. Which enzyme is responsible for sealing the nicked strand of DNA? \_\_\_\_\_.
8. The bonds connecting nitrogenous bases are called \_\_\_\_\_.
9. DNA is composed of six components called \_\_\_\_\_.
10. \_\_\_\_\_ is the enzyme that was used to label primers.
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 opposite \_\_\_\_\_ direction.