

DNA Replication

Make a diagram that summarizes DNA replication. Then explain what is happening in your picture by writing an essay using all of the following terms or phrases in the order in which they are given. Number the terms as they occur in your essay, and key them out in your diagram:

1. helicase
2. origins of replication
3. single-strand binding protein
4. replication fork
5. 5' end
6. 3' end
7. DNA polymerase
8. primer
9. primase
10. antiparallel DNA strands
11. Okazaki fragment
12. DNA ligase