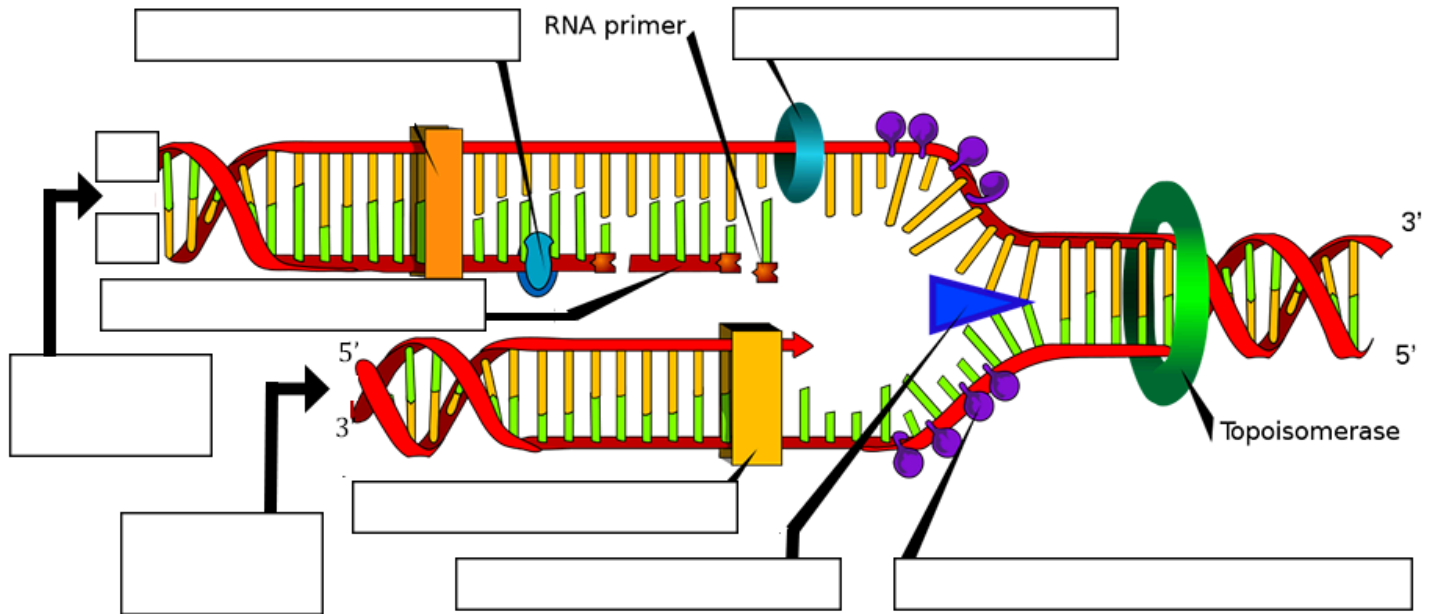


DNA Replication



Identify the structure

1. _____ Enzyme that unwinds DNA
2. _____ Fragments of copied DNA created on the lagging strand
3. _____ The strand that is copied in a continuous way, from the 3' to 5' direction
4. _____ Binds Okazaki fragments
5. _____ Builds a new DNA strand by adding complementary bases
6. _____ Stabilizes the DNA molecule during replication
7. _____ Strand that is copied discontinuously because it is traveling away from helicase
8. _____ Initiates the synthesis DNA by creating a short RNA segment at replication fork

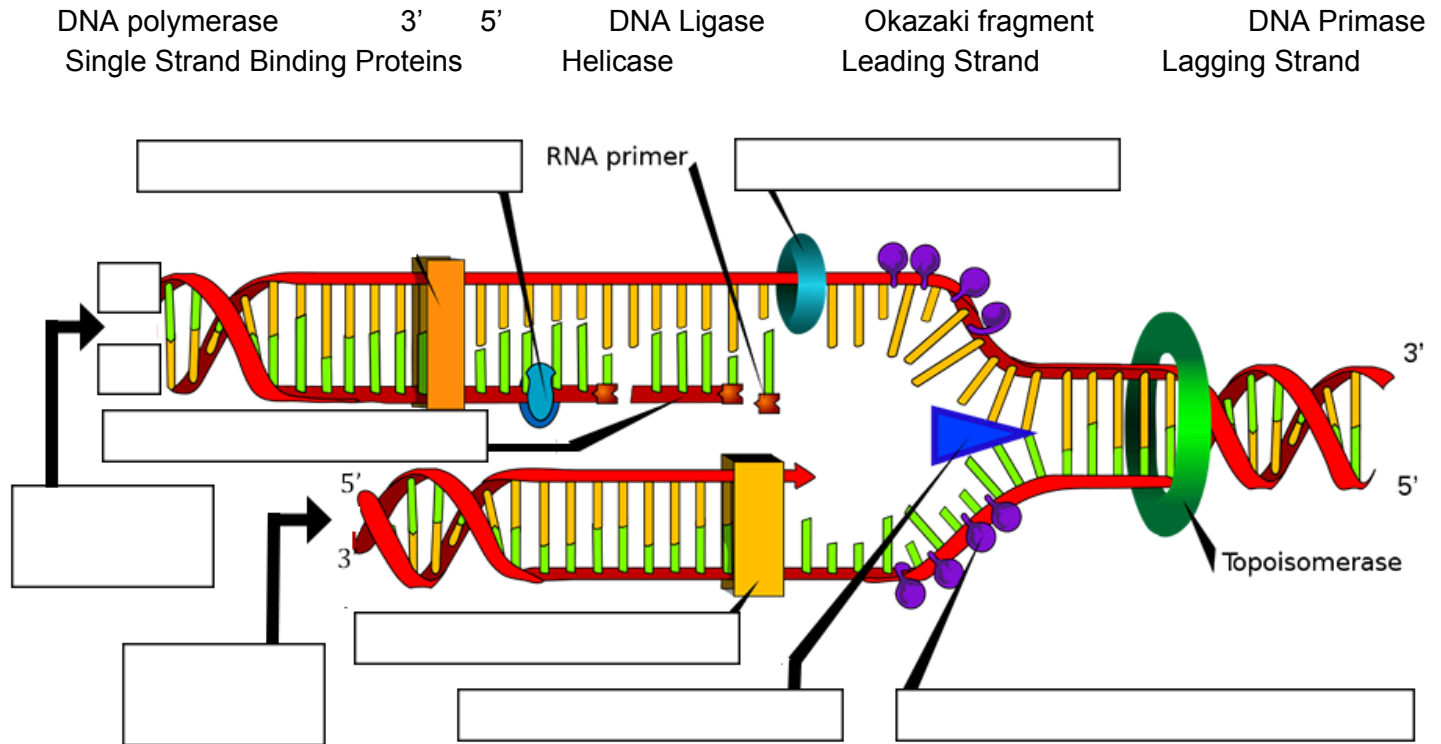
9. Place the events in the correct order:

- _____ DNA polymerase adds nucleotides in the 5' to 3' direction
- _____ Replication fork is formed
- _____ DNA polymerase attaches to the primer
- _____ Okazaki fragments are bound together by ligase
- _____ DNA helicase unwinds DNA

10. Why is replication called "semi-conservative?" _____

Name: _____ Date: _____

DNA Replication - Labeling (with word bank)



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