

Name: _____

Date: _____

DNA Replication Worksheet

How Nucleotides are added in DNA replication?

1. List the proteins/enzymes involved in the process of replication
2. How does replication start? Who prevents the unwound DNA for twisting back?
3. Which enzyme is the key player in Replication? What is this enzyme's limitation? How is this limitation overcome?
4. Why the two strands of the helix have to be elongated by two slightly different mechanisms?
5. Explain elongation stage of replication - your answer should include a discussion of leading strand, lagging strand, Okazaki pieces and RNA primer.