



4.) Draw the replication of a parent stand of DNA with the template GCTGGGCTAA. Be sure to include DNA polymerases, leading and lagging strands, Okazaki fragments, new and template strands, DNA ligase, primers, helicase, replication fork.

5.) Explain your drawing in #4, giving the functions of each term.

6.) How explain why proofreading is necessary and how it works.

7.) What are telomeres and telomerase and what do they have to do with replication?