Name:		Date:	Per:
	•	Chapter 16 Review	
1.)	Briefly tell the story of the discovery of sure to include transformation and bact	DNA including the scientists and scientiophages in your story.	entific discoveries involved. Be
2.)	Draw and label a double-stranded piece AAGTCGAT. Be sure to label the followance of Nucleotide Purine Pyrimidine Hydrogen bond Covalent bond Base-pair Sugar Phosphate 5' end 3' end Nitrogenous base		e on one parent strand:
3.)	Explain, giving examples, Chargaff's Rule	s.	

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?