Na	nme: [Dr. Reichler's Bio 325 TTh 7:30-9pm Fall 2007 Quiz 11/	/08
1)	What is different in a cell in G1 an	nd G2 phases of the cell cycle?	
2)	Can DNA replication initiate anyw	where on the DNA?	
3)	What is different between DNA re	eplication on the leading and lagging strand?	
pre		nen DNA polymerase copies the unwound DNA, so these to f DNA. Of the other proteins involved in DNA replication of the DNA?	
5) thi	•	e able to identify recently copied DNA? How does E. coli	do
6)	What is the problem at the ends of	DNA replication, and how is this problem resolved?	
7)	What does the problem in #6 prote	ect you from?	
8)	In what human cells would you exp	pect to find the shortest telomeres?	
9)	What can be learned by looking at	the length of someone's telomeres?	
10) During mitosis, why does the DNA	A line up in the middle of the cell?	
11) Would you expect many genes to b	be expressed during mitosis?	