Amoeba Sisters Video Recap: DNA Replication

1. To understand DNA replication, we need to understand the "why." Why does DNA need to replicate before cells	In the below DNA diagram, label ONE of each bolded term: 2. Deoxyribose (sugar). Total number in image?		
divide?	3. Nitrogenous base. Total number in image?		
			n image?
	5. Phosphate.		
	6. Label 5' to 3' st	r and and 3' to 5'	strand.
Oh come on! During my homework?!	554	A - C	G 2 3 C 2 3
3. DNA Replication has many key players! These are just a few describe each of their functions in DNA replication.		olayer enzymes.	In your own words,
Helicase:			
DNA Polymerase:			
Primase:			
Ligase:			
Select Your	Charact	ter Service of the se	
Helicase DNA Polymerase	Primase	Ligase	





Your turn to narrate! Narrate the illustrations below to explain the sequence of events occurring in DNA replication.

4.	Point of Origin
5.	Single stranded binding proteins
6.	Single stranded binding proteins
7.	Okazaki Fragment Okazaki Fragment Okazaki Fragment

8. Label the leading and lagging strands in the last picture. Explain what is meant by the "lagging" strand and why this occurs.

