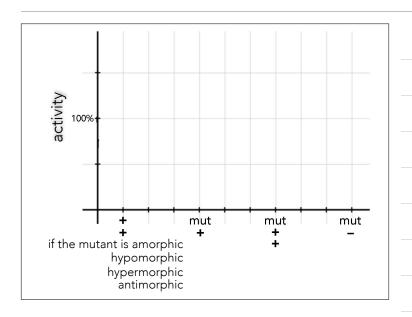
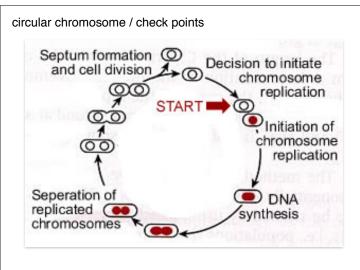


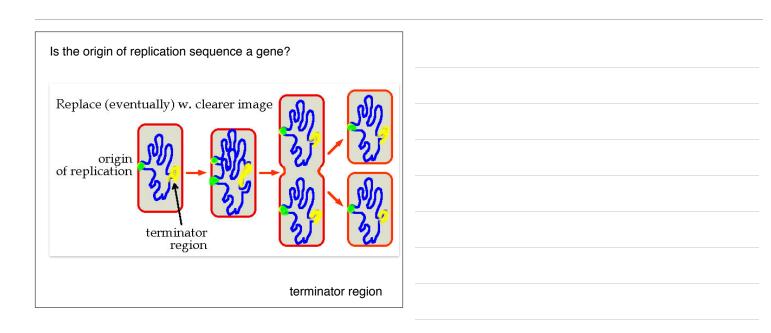
thinking again about morphs

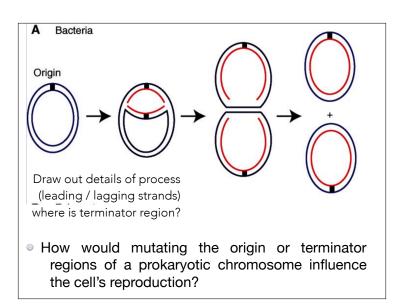
amorph hypomorph hyper morph antimorph

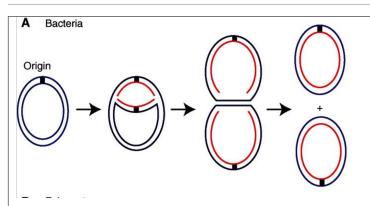


simple asexual reproduction in bacteria
horizontal gene transfer, only vertical transmission









In E. coli, there are \sim 4,400,000 base pairs of DNA, and each DNA synthesis enzyme moves a \sim 600 bp/s

how long does DNA replication take

Questions to answer and ponder:

- What factors act to insure that each (prokaryotic) cell generated contains a complete genome?
- Describe what you would expect to happen, and why, if a prokaryotic cell received an incomplete genome.

next:	
Chapter 12: Reproduction in prokaryotes and horizontal gene transfer In which we consider how prokaryotic cells replicate asexually, and how they can (under specific conditions) pass genetic information to one another and acquire up such information from their environment.	