DNA Replication & Recombination

Fill in the blank:
DNA serves as a for replication
DNA replication begins at the, creating a
Bacterial DNA replication begins at the
What does bidirectional DNA replication mean? What is a replicon?
Describe all 3 modes of DNA replication. Which is the most accurate?
What 4 things MUST be present for DNA replication? What does each do?
Describe chain elongation.

Properties	I	II	III
Initiation			
5'-3' polymerization			
3'-5' exonuclease			
5'-3' exonuclease			

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3'-5' exonuclease			
5'-3' exonuclease			
What DNA Polymerase	s are involved in DNA r	epair?	
Describe the holoenzy	ne.		
What are the 7 key issu	es that need to be solv	red for DNA replication	to happen?
Describe the initial stag helicase, SSBP, and DN		using the following tern	ns: DNAa, DNA

What direction of DNA synthesis. W	/hat is the leading and the lagging strand?
What are Okazaki fragments and w	hat "glues" them together?
What allows DNA to be able to proc	ofread and correct any errors?
Compare and contrast bacteria and	d Eukarya DNA replication.

