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### Differences between leading and Lagging strands for DNA replication.

Characters	Leading strand	Lagging strand
1. Fragments	It is formed continuously as single fragment.	In the beginning it is formed in the form of small fragments called okazaki segments.
2. RNA primer	It requires only one primer to initiate the growth.	Every fragment requires separate RNA primer to initiate.
3. DNA ligase	Not required.	Required to join DNA fragments.
4. Direction of growth	$5' \rightarrow 3'$	Of complete strand it is $3' \rightarrow 5'$ . However for okazaki fragments it is $5' \rightarrow 3'$ .

