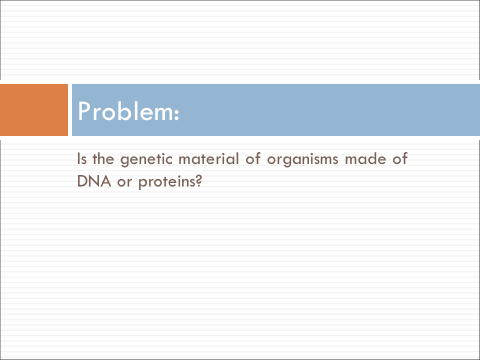
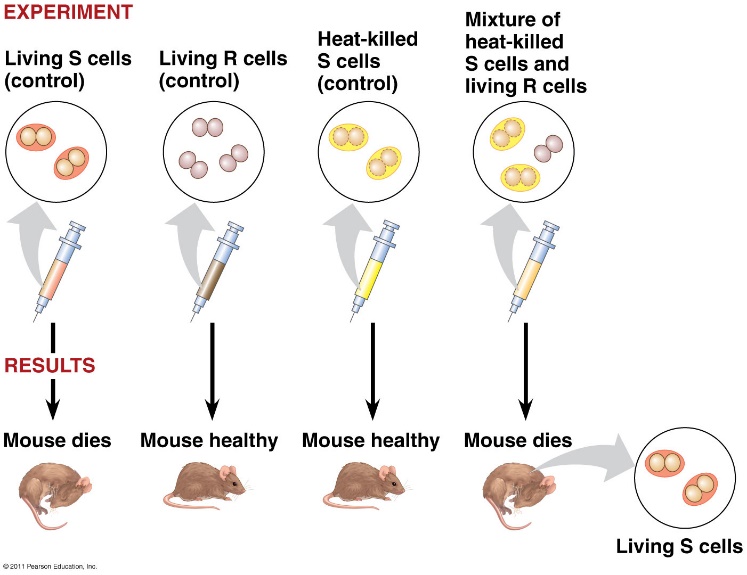
**Ch. 16: The Molecular Basis of Inheritance**

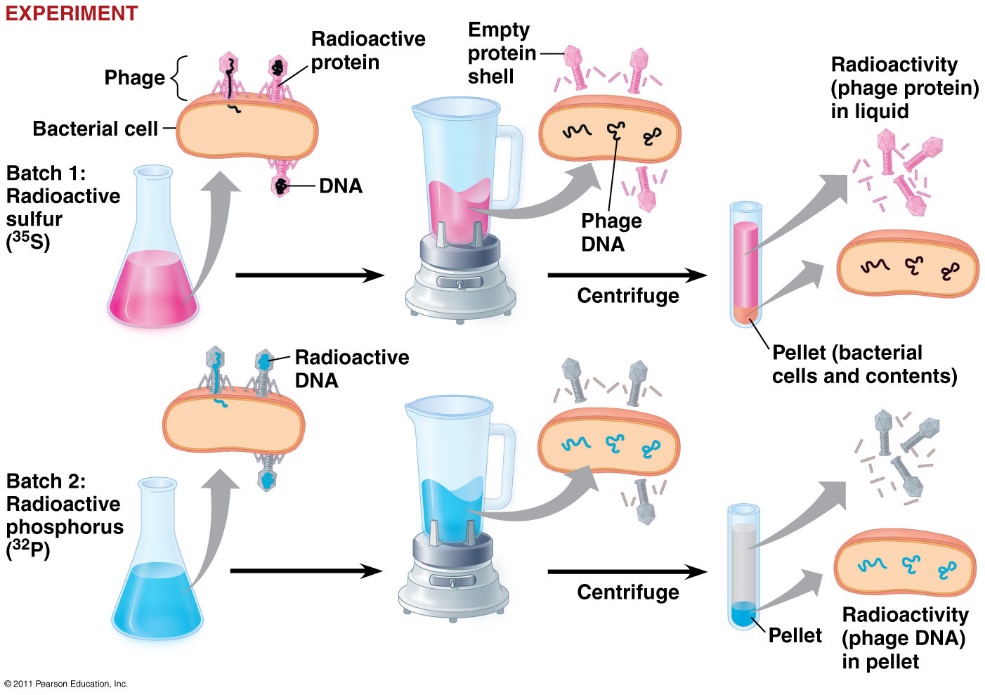
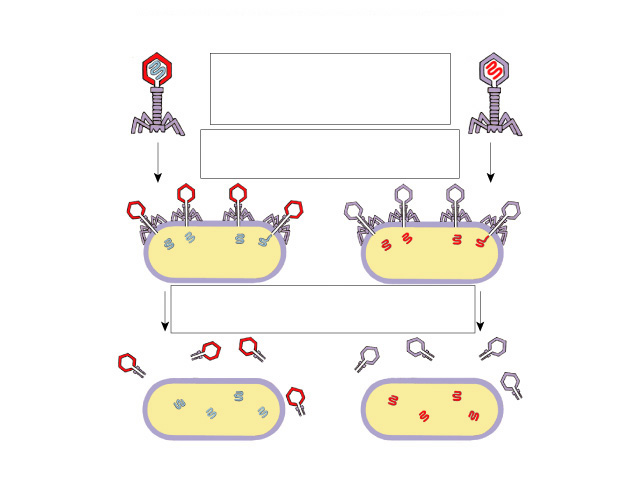
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**Frederick Griffith Experiment**

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**Transformation: Conclusion:**

**Hershey-Chase Experiment**

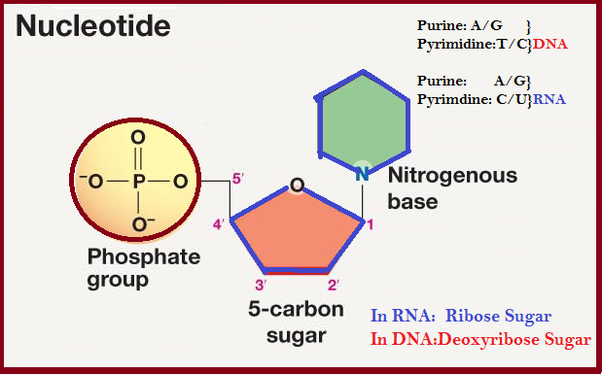
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**Conclusion:**

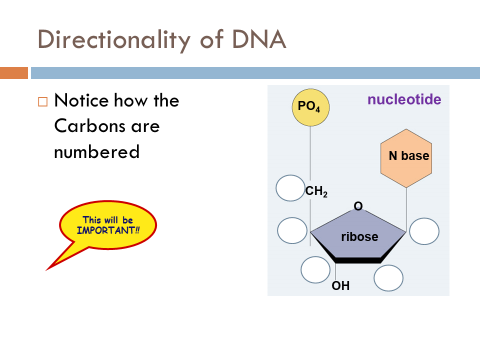
**Edwin Chargaff – Chargaff’s Rule:**

**Rosalind Franklin:**

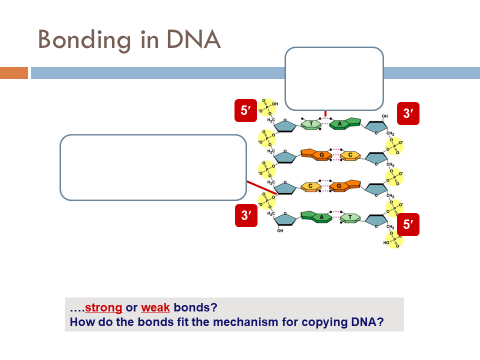
**James Watson & Francis Crick:**

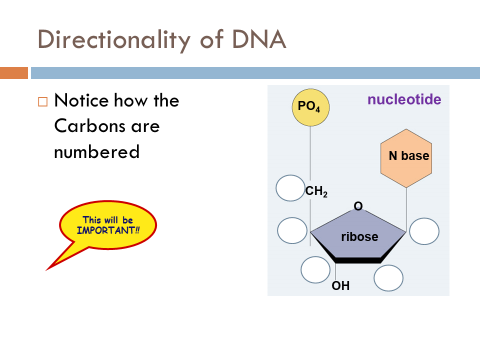
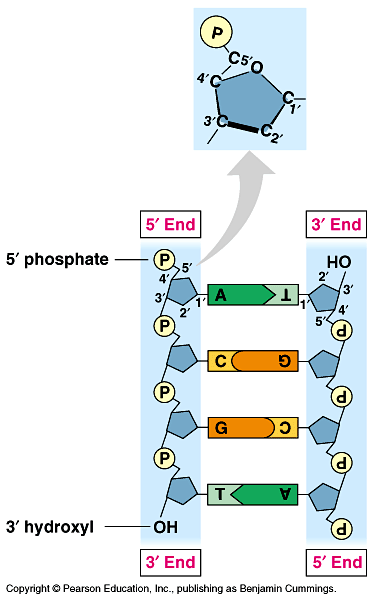
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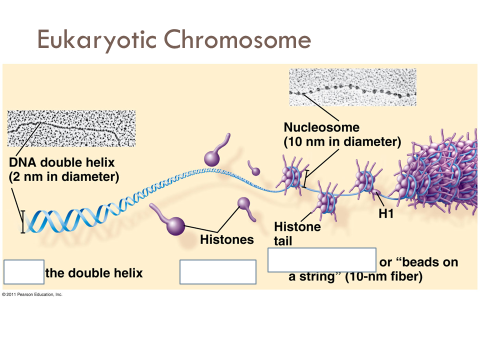
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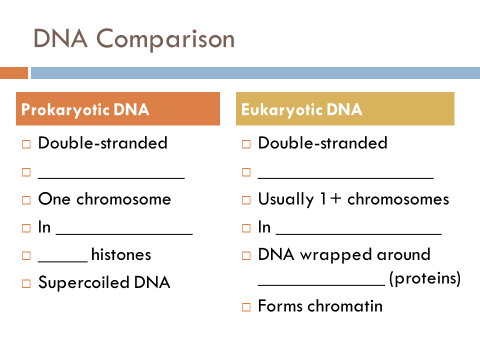
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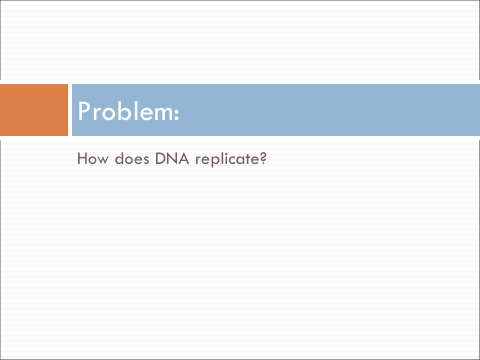
**Antiparallel**

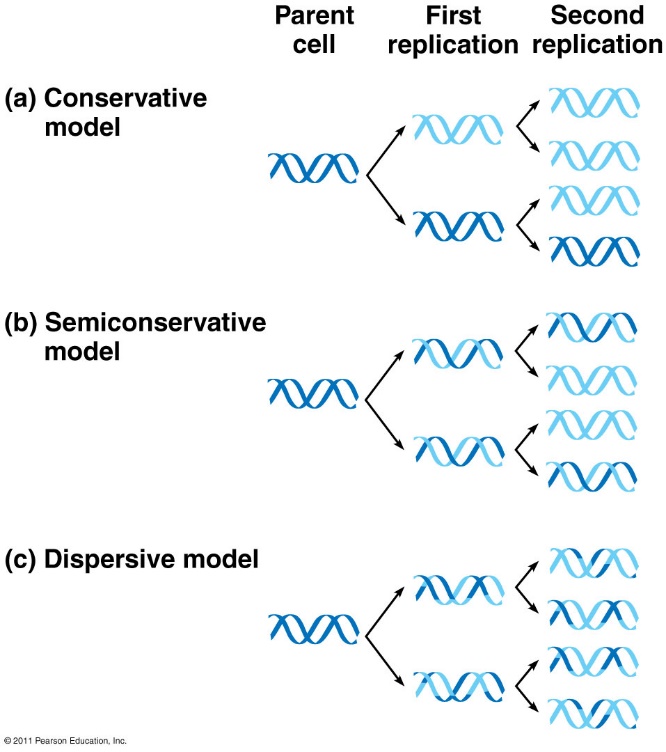
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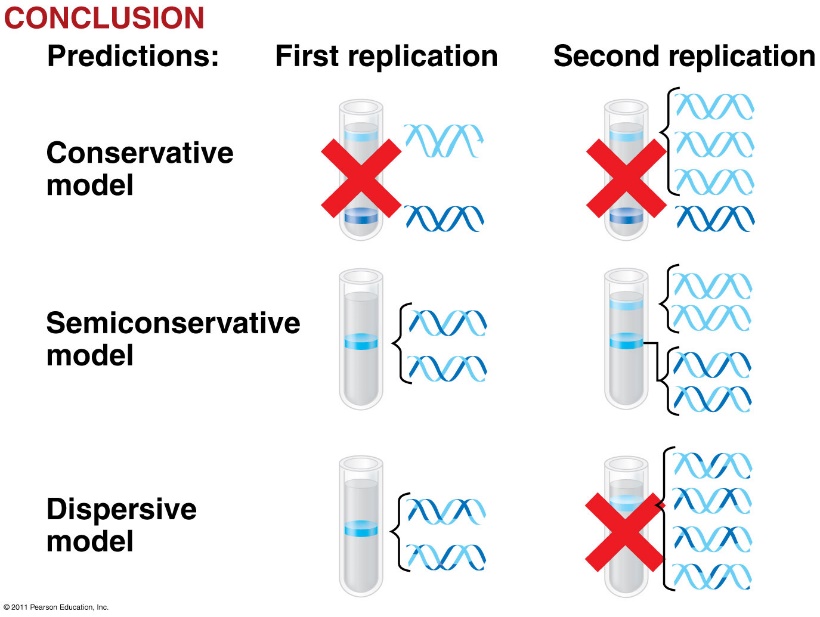
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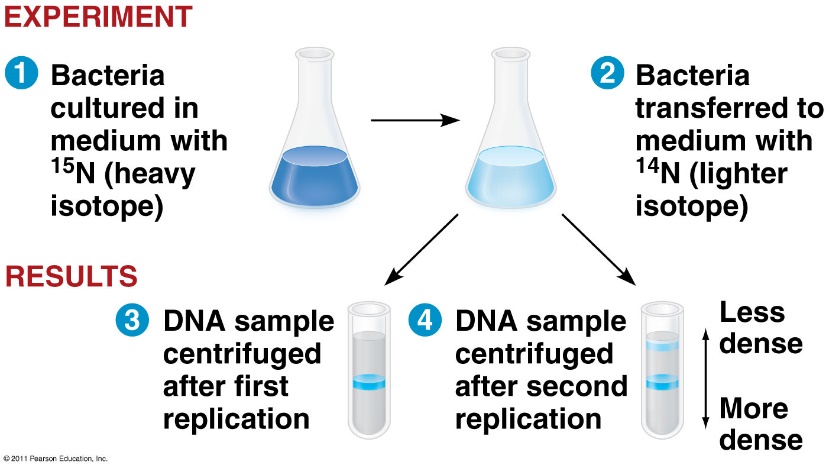
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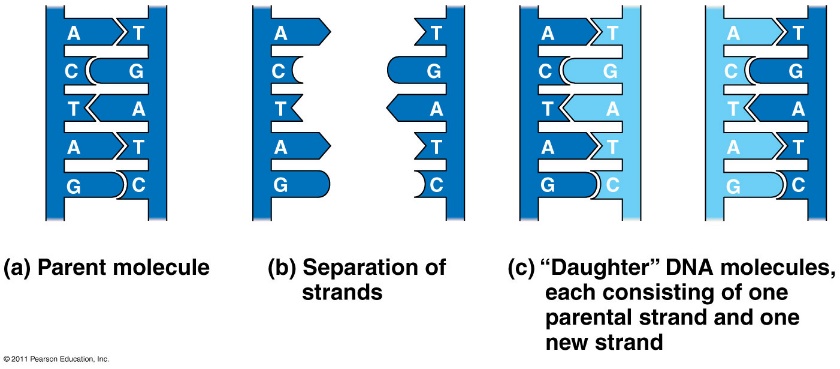
**DNA Replication**

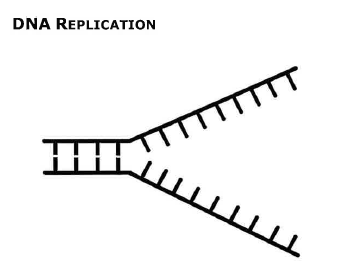
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**Meselson and Stahl Experiment**

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**Semi-Conservative Replication**

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**Steps of DNA Replication**

**1.**

**2.**

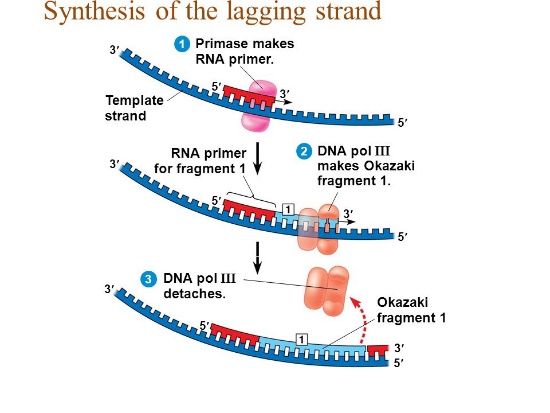
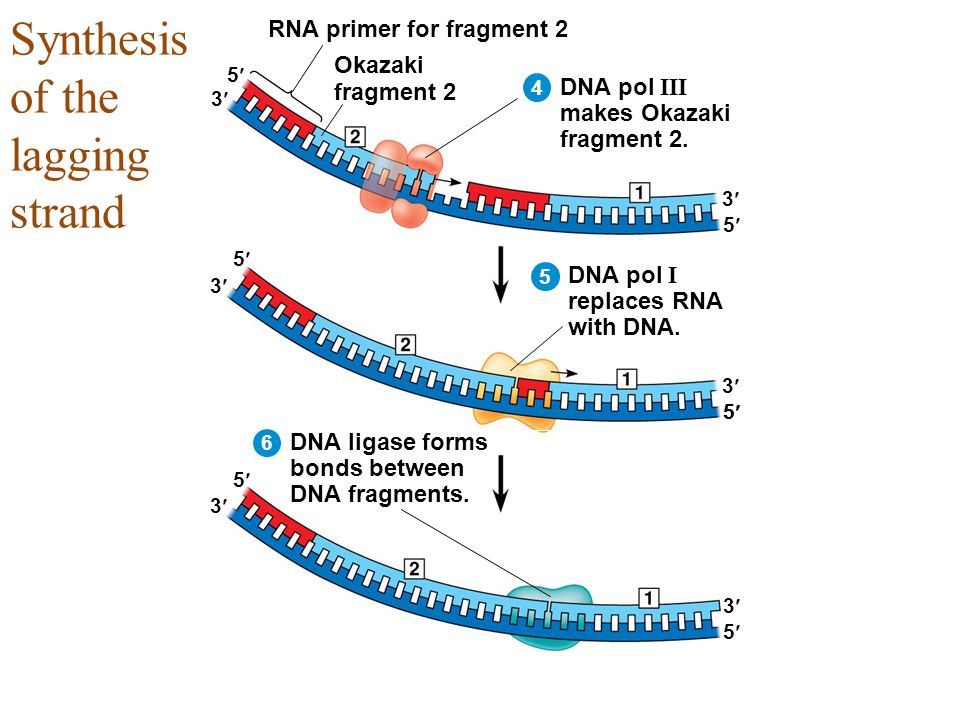
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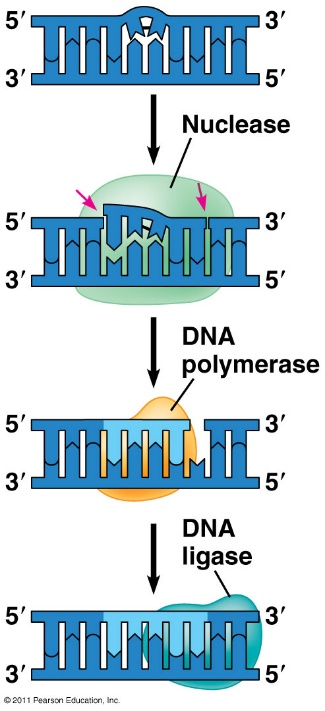
**4.**

**5.**

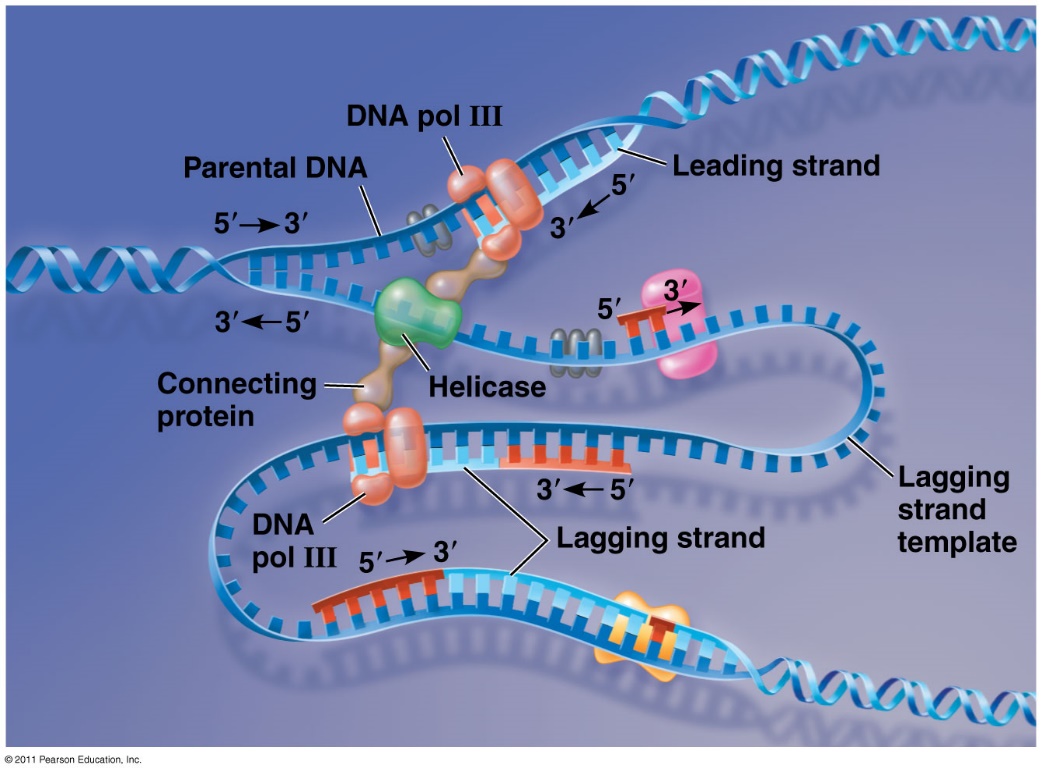
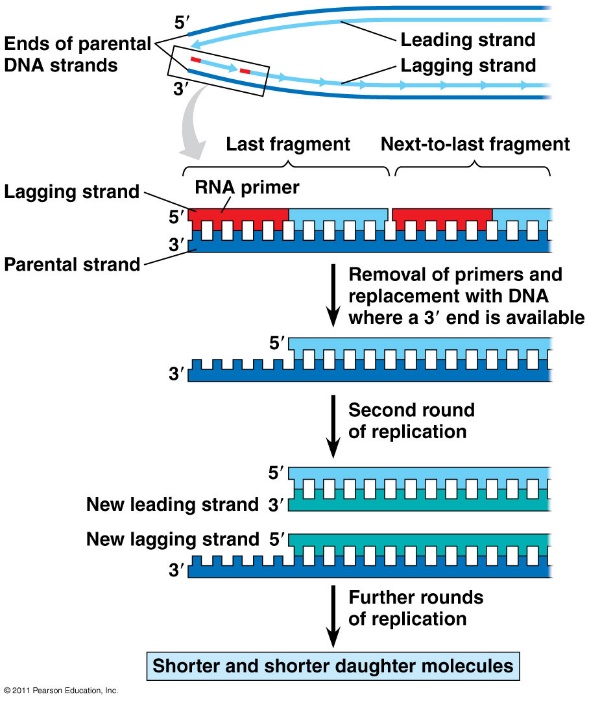
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**7.**

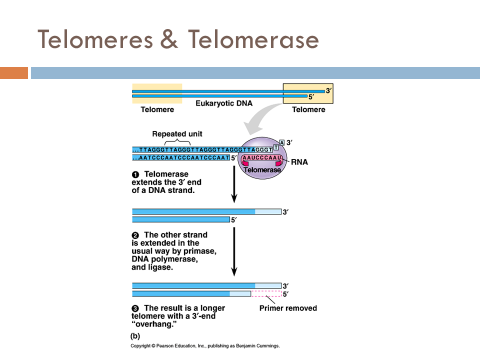


**Proofreading & Repair**

* DNA polymerases
* Mismatch repair:
* Nucleotide excision repair:

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**Problem at the 5’ End**

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