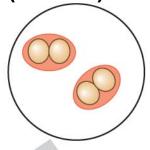
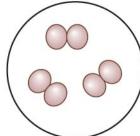
## **EXPERIMENT** Living S cells Living R cells Heat-killed (control)

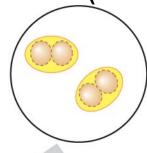
(control)

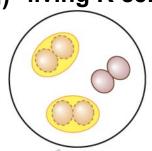
S cells (control)

Mixture of heat-killed S cells and living R cells













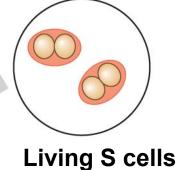






Mouse dies Mouse healthy Mouse healthy

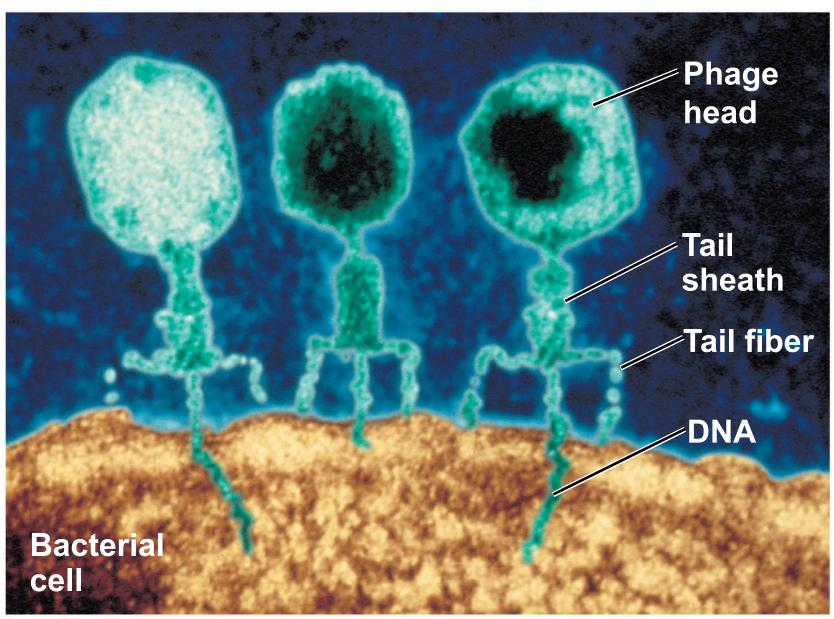






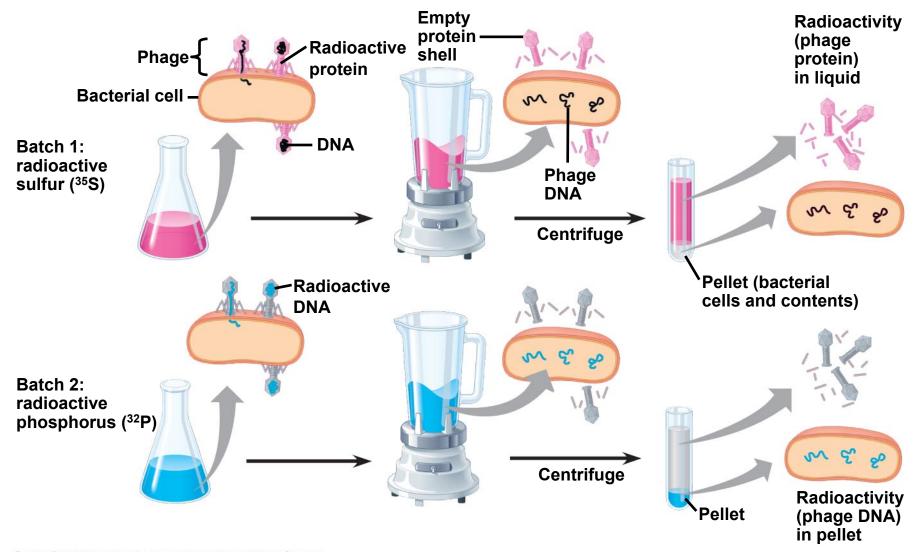


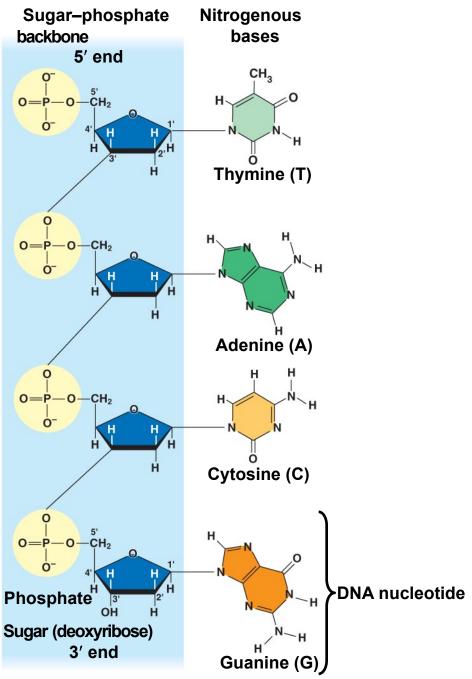




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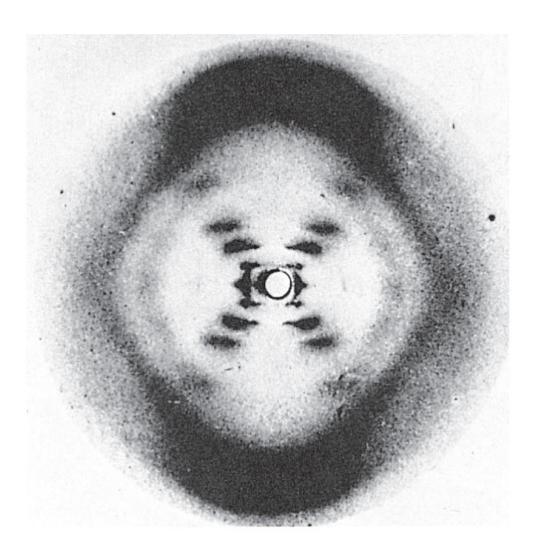
## **EXPERIMENT**



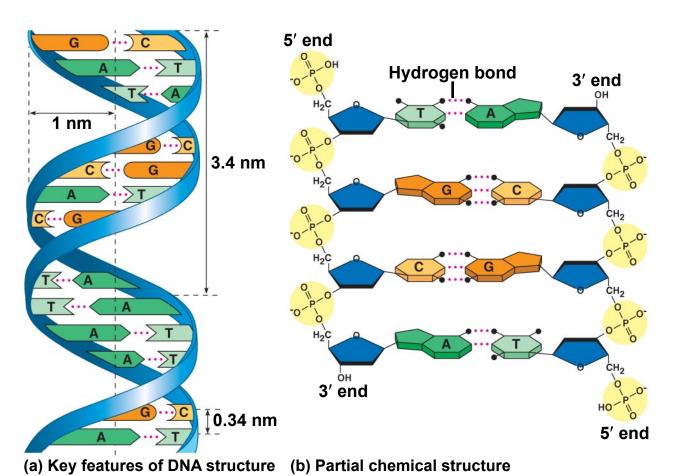


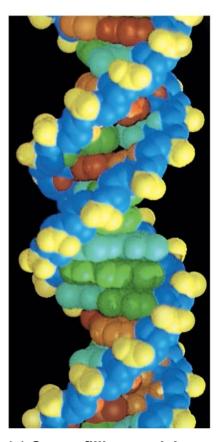


(a) Rosalind Franklin

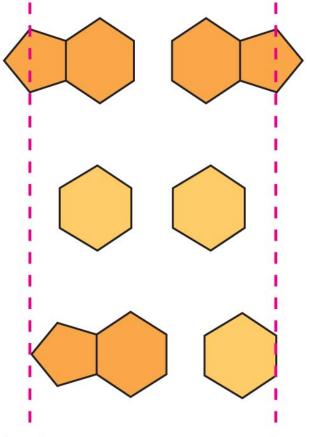


(b) Franklin's X-ray diffraction photograph of DNA





(c) Space-filling model

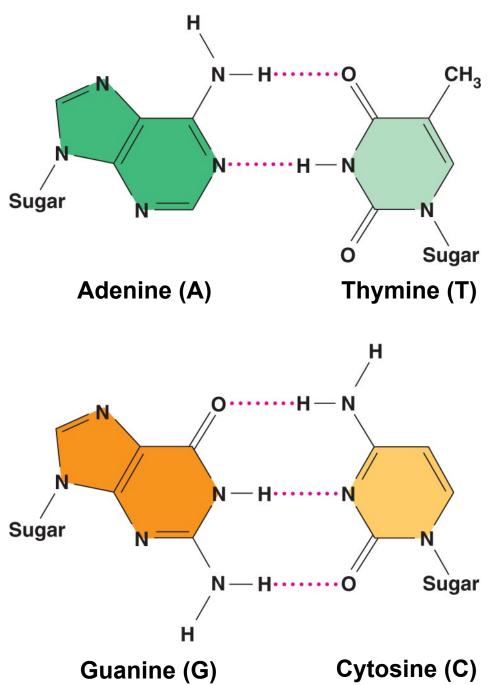


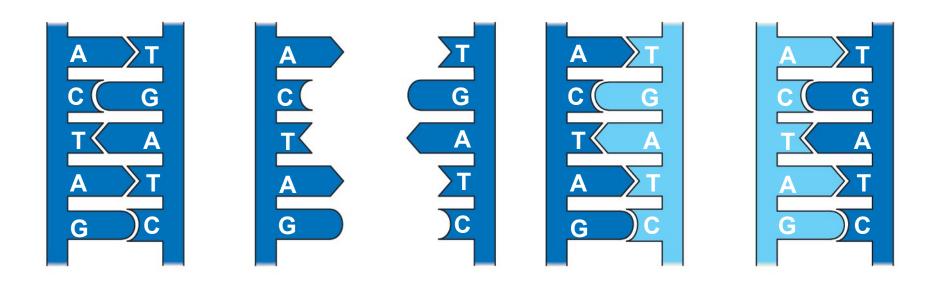
Purine + purine: too wide

Pyrimidine + pyrimidine: too narrow

Purine + pyrimidine: width consistent with X-ray data

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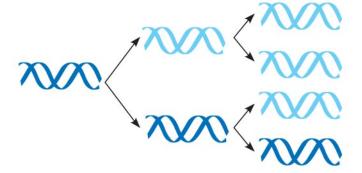




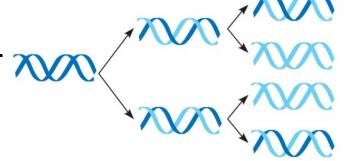
- (a) Parent molecule
- (b) Separation of strands
- (c) "Daughter" DNA molecules, each consisting of one parental strand and one new strand

Parent cell First Second replication

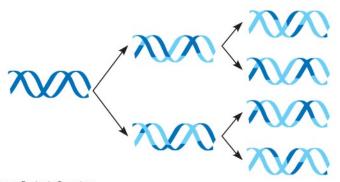




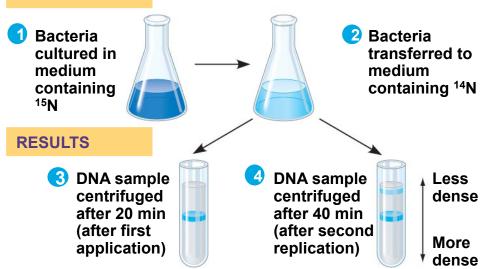
(b) Semiconservative model



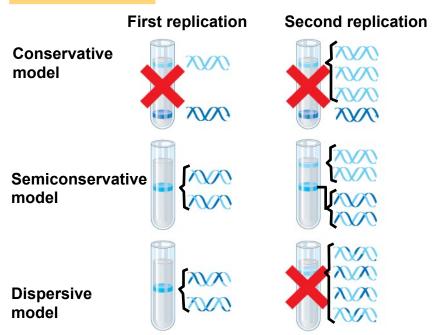
(c) Dispersive model

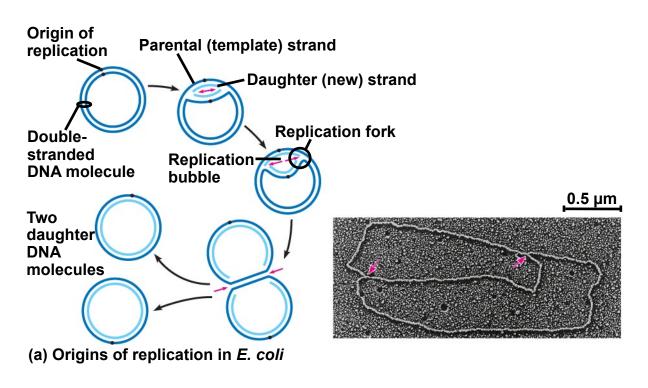


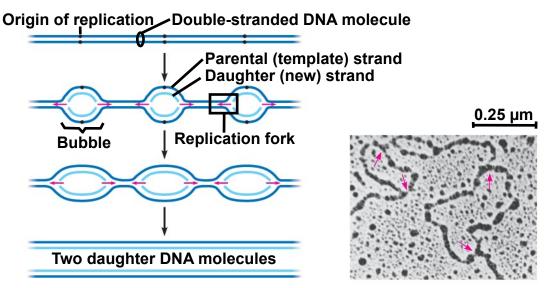




## **CONCLUSION**







(b) Origins of replication in eukaryotes
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