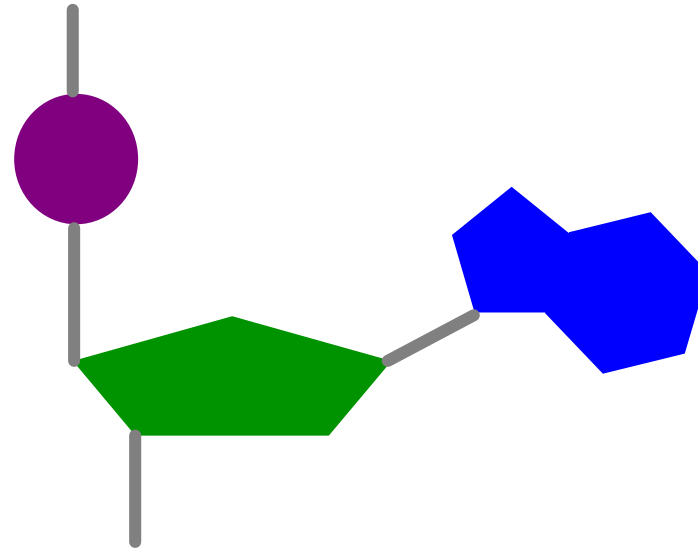
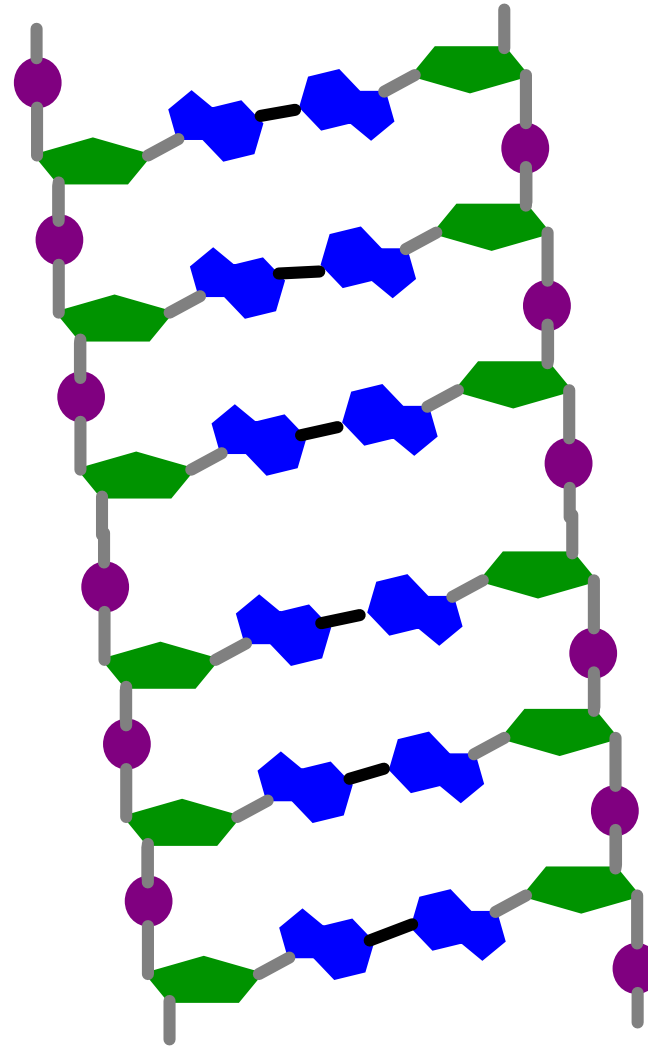
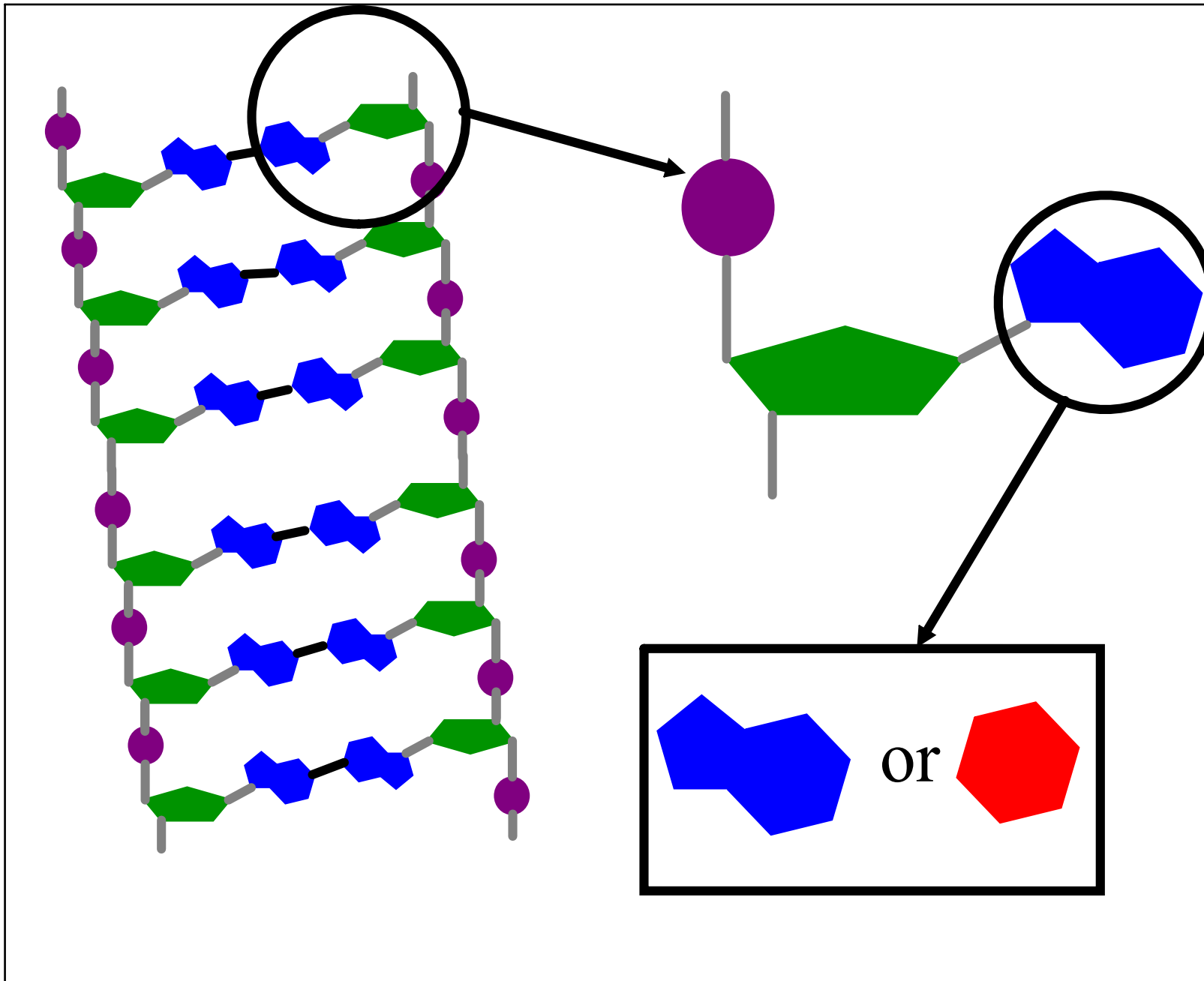


Nucleotide-
three parts a
sugar, a base,
and a
phosphate
group



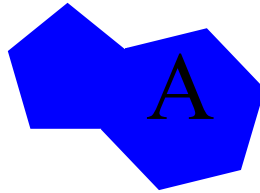
DNA



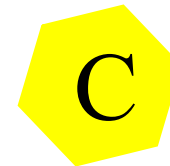
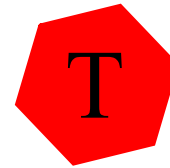


Feb 9 - 12:50 PM

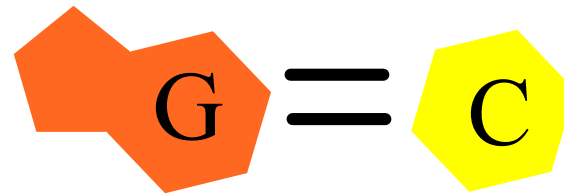
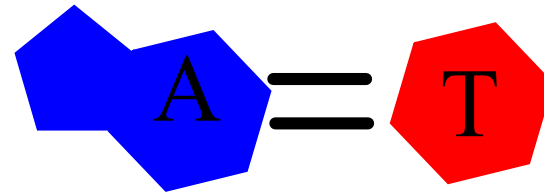
Purines



Pyrimidines

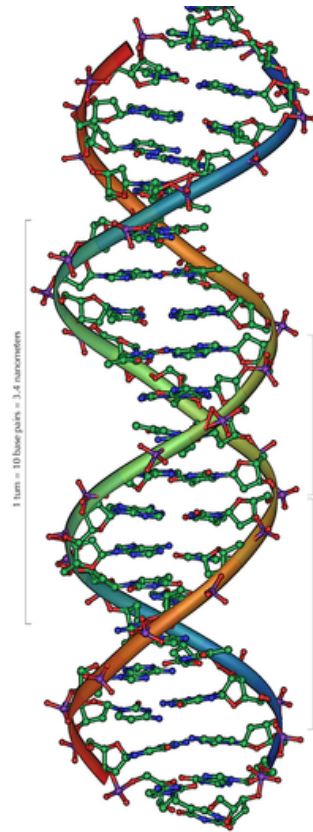


Erwin _____
observed that
there were
always as _____
A as **T** and
always as many
G as **C**.



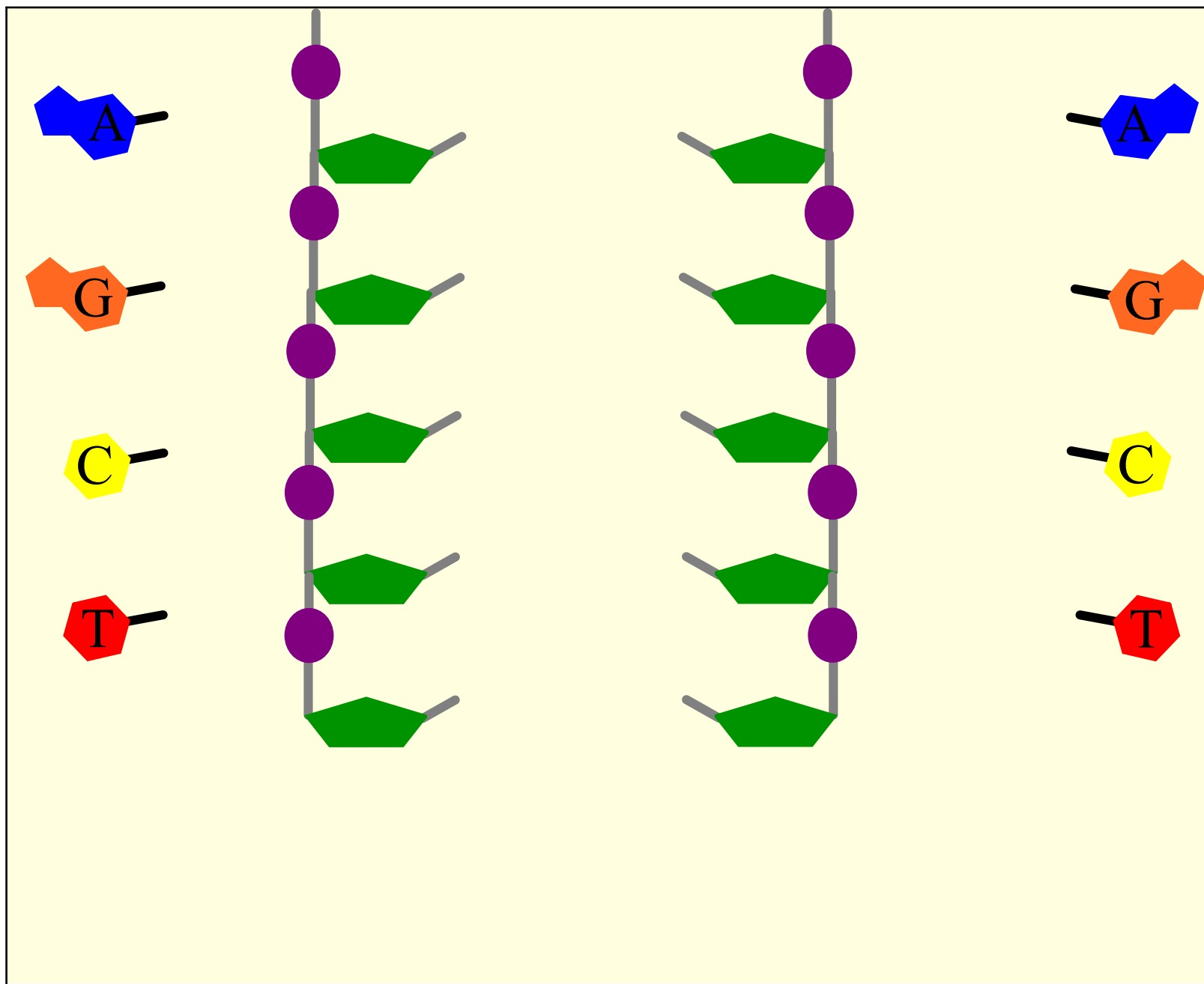
Wilkins and
_____ through
X-Ray

_____ discovered that
DNA was a
_____ coiled
helix



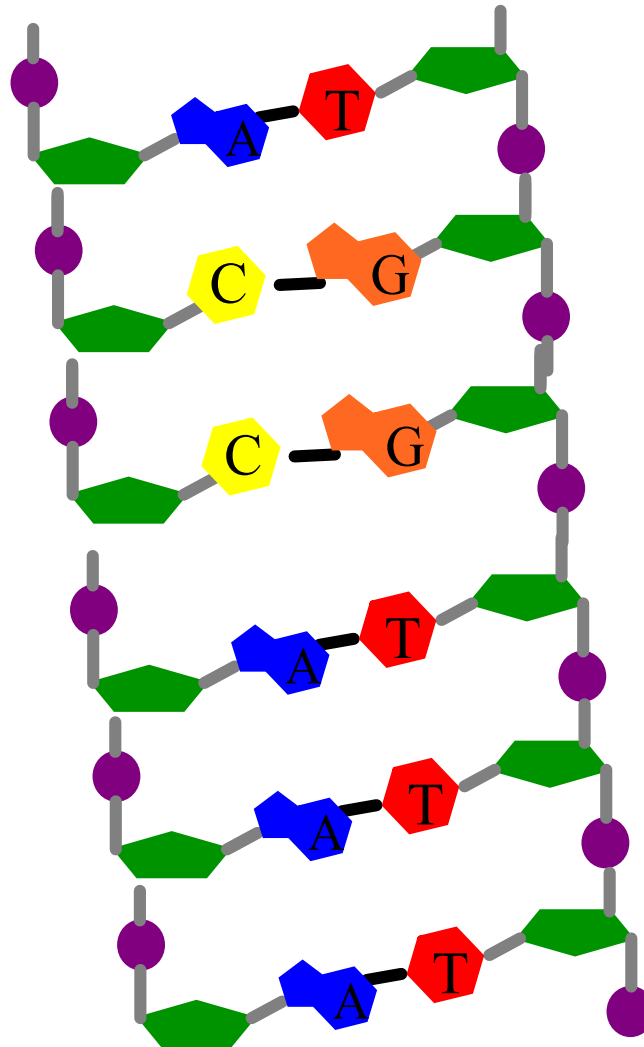
Double Helix-
two strands
_____ around
each other

<http://en.wikipedia.org/wiki/DNA>



Final

Base-pairing Rules

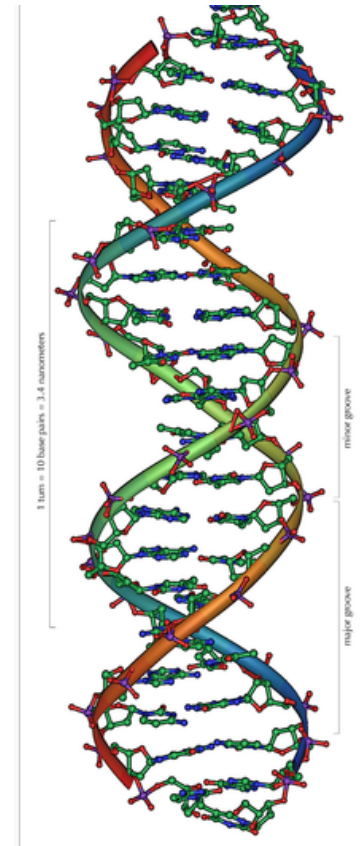


Complementary



James Watson and Francis Crick

<http://www.time.com/time/time100/scientist/profile/watsoncrick.html>



<http://en.wikipedia.org/wiki/DNA>

Which one is its complimentary pair?

TGAACTAGC

ACTTGATCG

AGTAGTACC

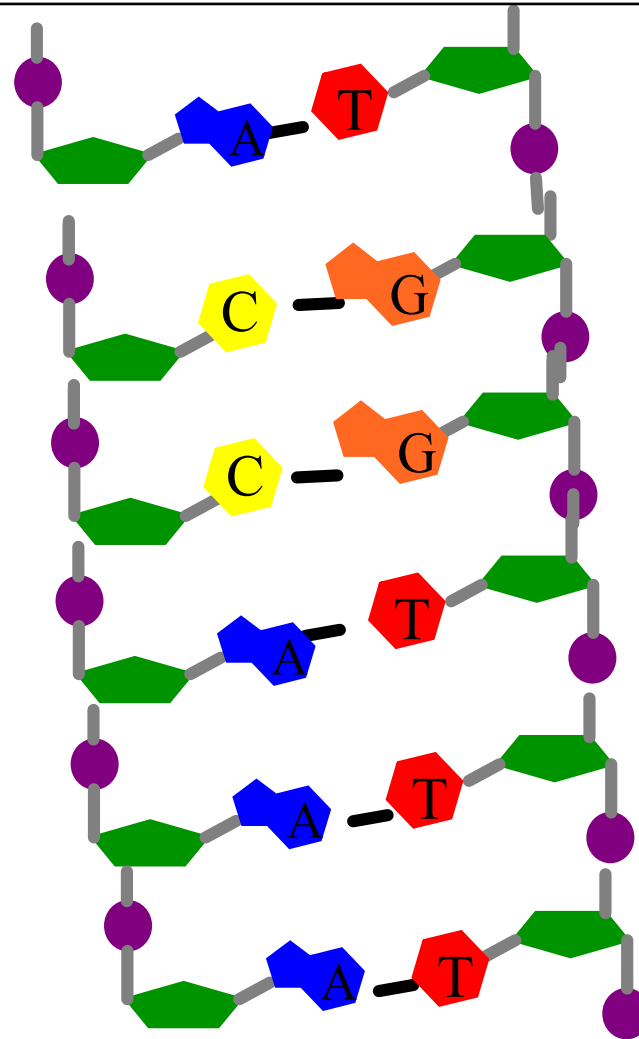
GCTAGTTCG

TGAACTAGC

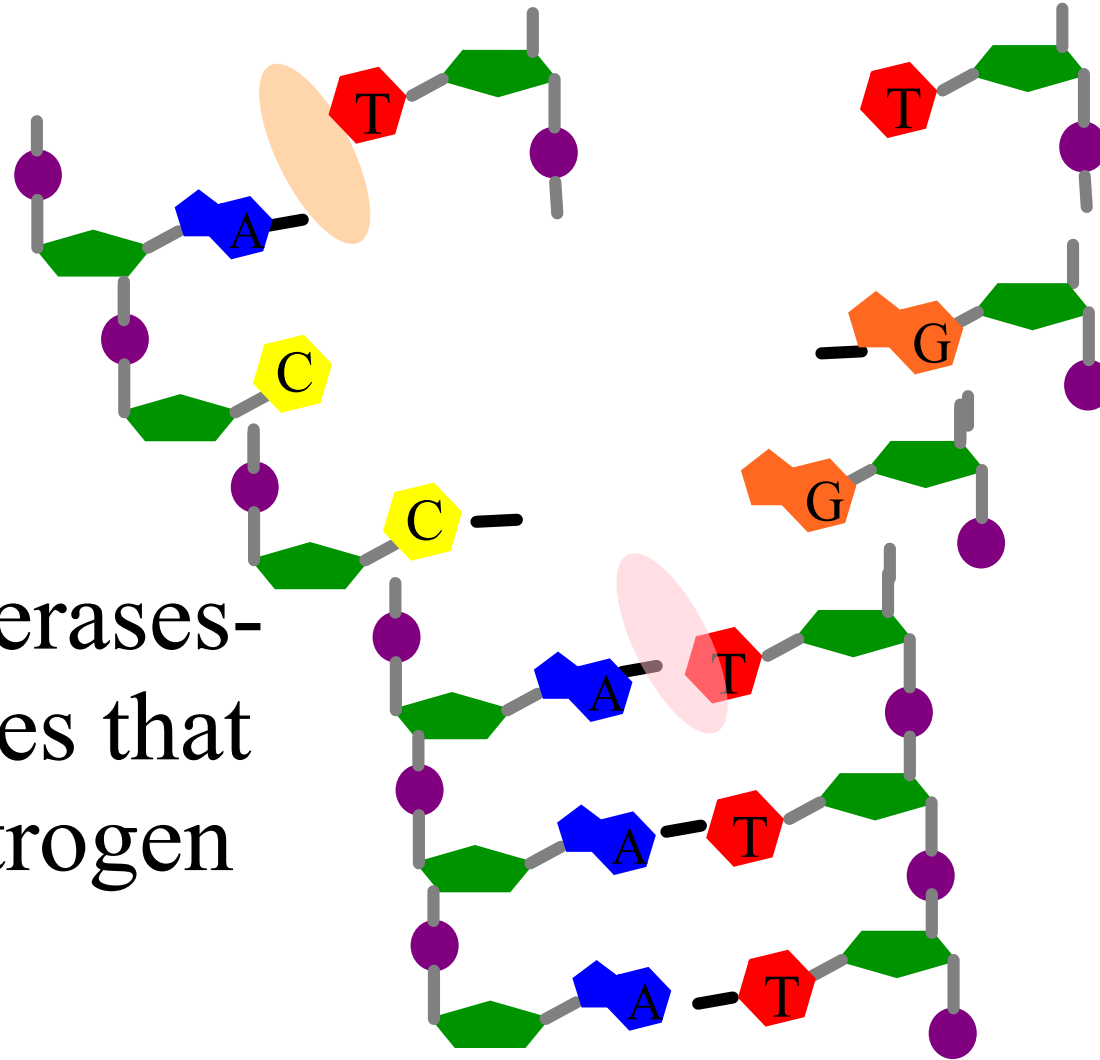
DNA Replication

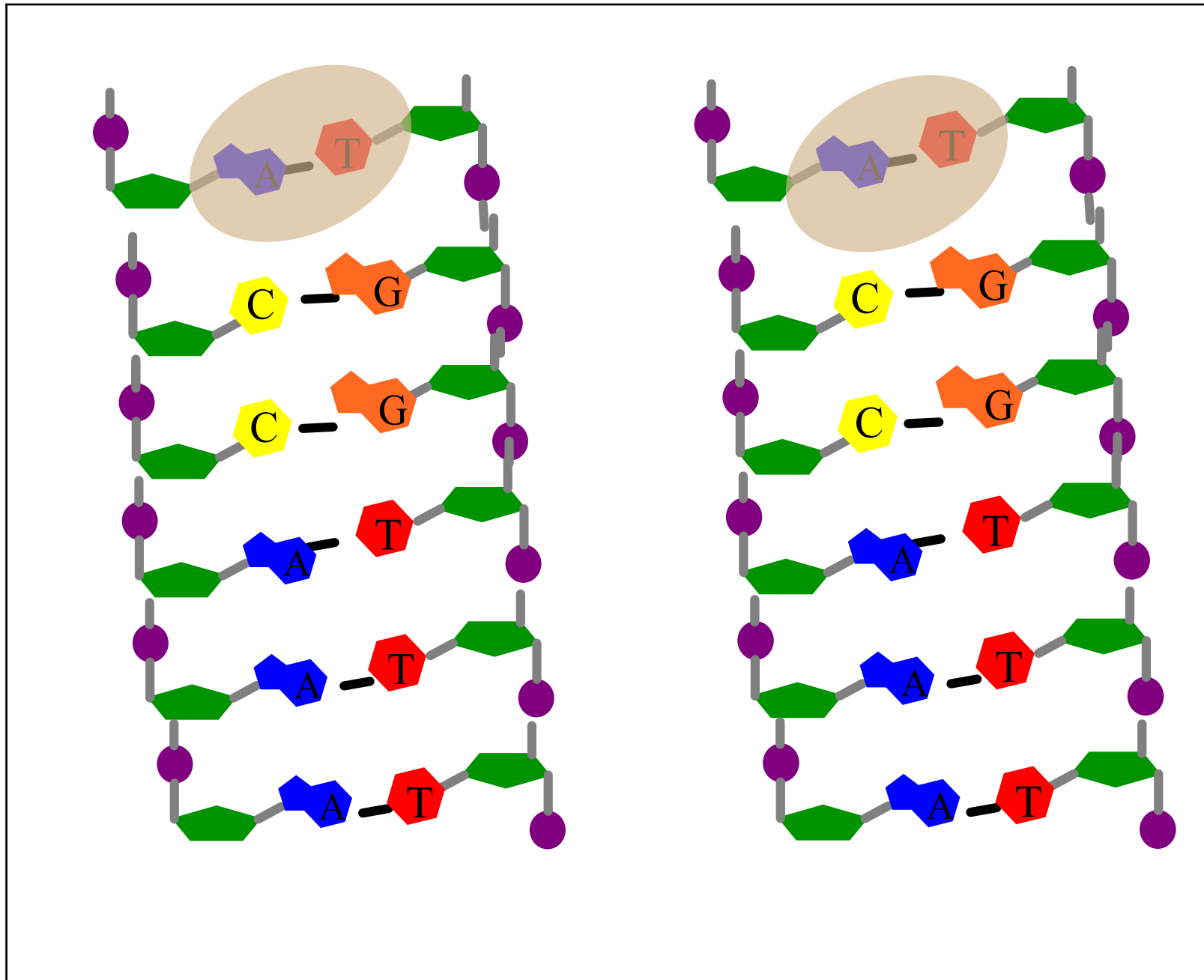
 <http://www.ncc.gmu.edu/dna/repanim.htm>

DNA Helicase-
enzymes that
open the
helicase



DNA
Polymerases-
enzymes that
add nitrogen
bases.





Feb 9 - 1:45 PM