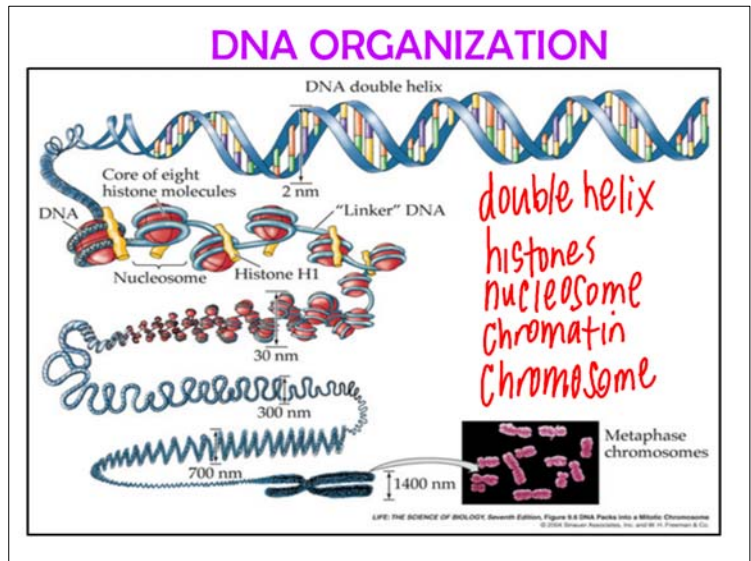
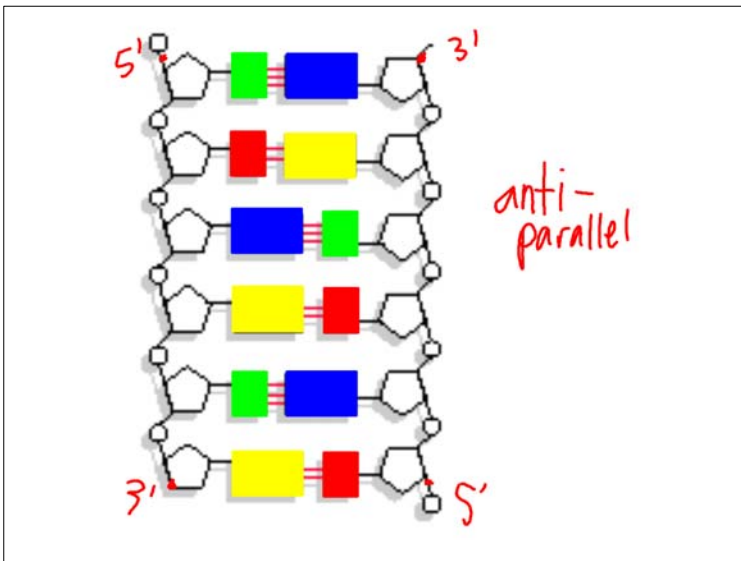
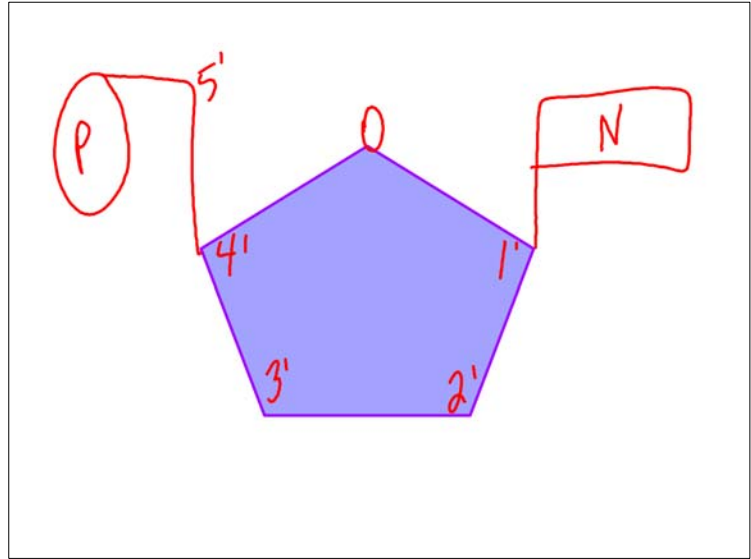
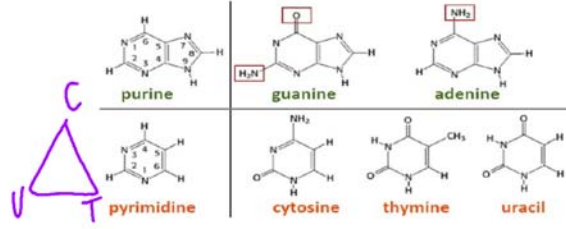
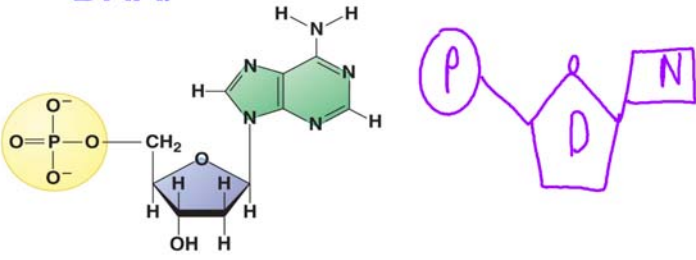
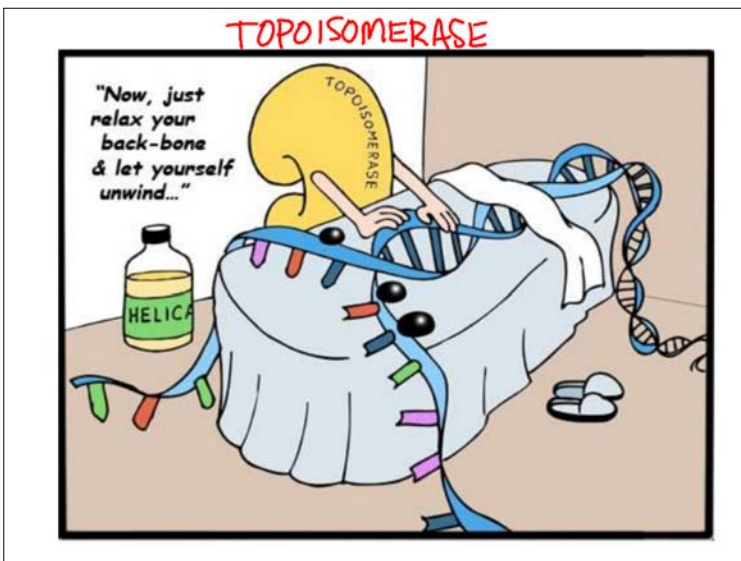
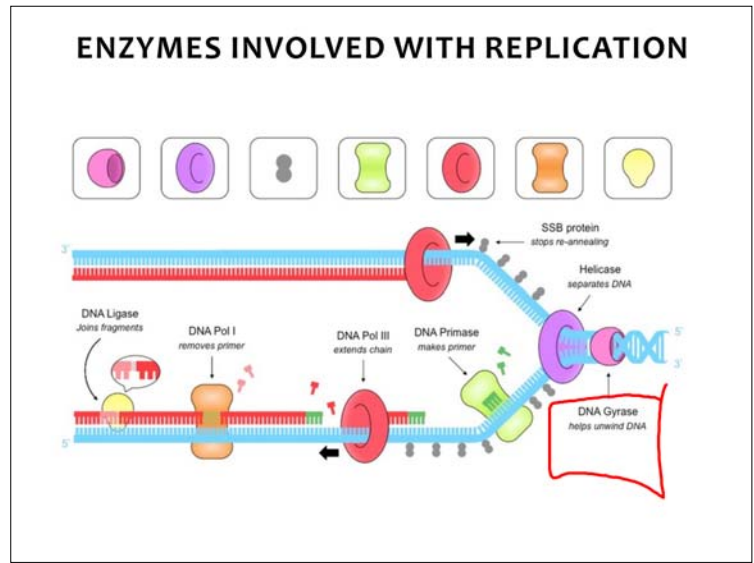
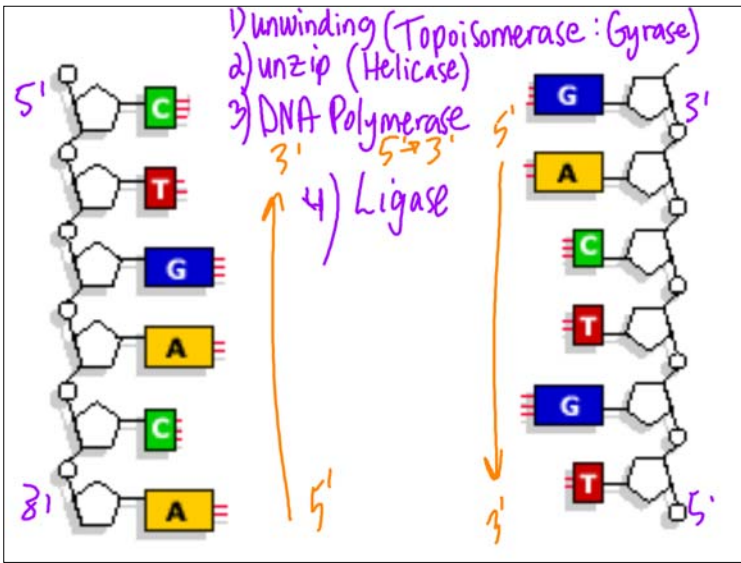


DNA:





DNA POLYMERASE

Reads the 3' → 5' strand

Synthesizes the 5' → 3' complimentary strand

DNA Pol III: Extends DNA chain; adding complimentary nucleotides (dNTP's)

DNA Pol I: Removes RNA primer; replaces RNA w/DNA nucleotides (dNTP's)

Primer
 Template DNA
 New DNA strand
 DNA polymerase
 dNTP's

PHASES of DNA POLYMERASE III

- 1) initiation (begins @ origin of replication, after primer)
- 2) elongation (building complementary strand)
- 3) termination 