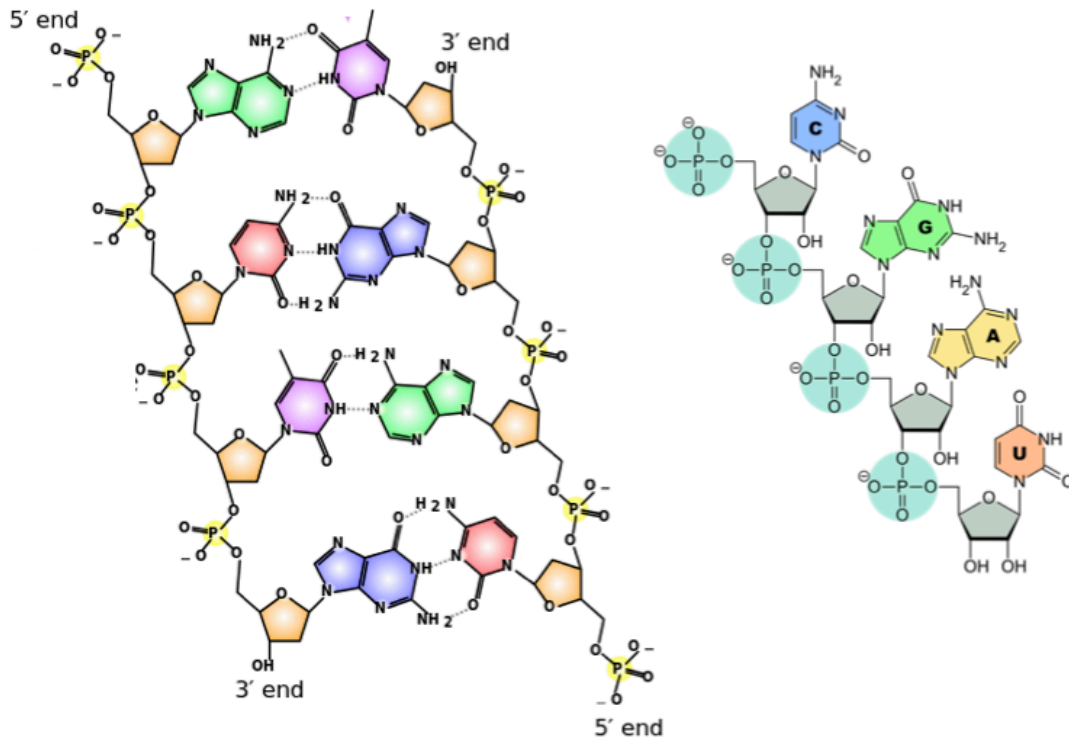
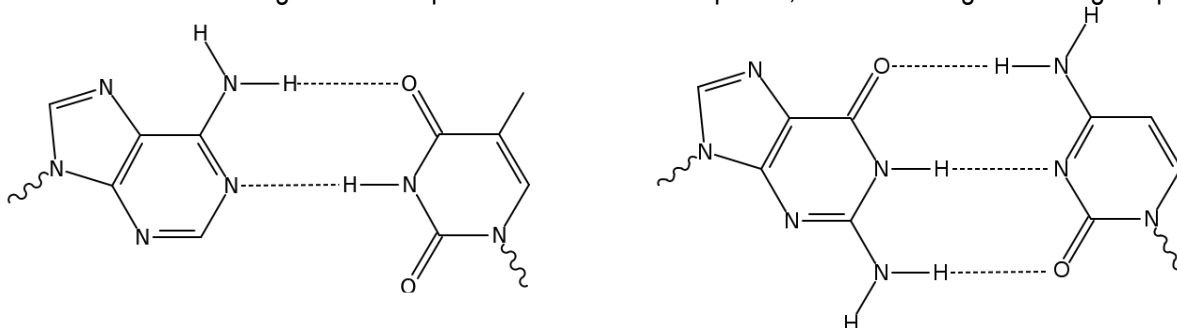


CONCEPT: NUCLEIC ACIDS

- Nucleotides are connected by _____ bonds.
- The individual strands of DNA are _____ to each other.
- RNA is less stable than DNA at high pH because of its 2' hydroxyl group
- Nucleotides, and nucleic acids, have a maximum light absorption at 260 nm (proteins at 280 nm)



- The two strands of DNA are complementary due to the specificity of base pairing.
 - Strands of DNA with a higher GC composition are harder to separate, and have a higher melting temperature



PRACTICE: What percentage of DNA is made of purines? Pyrimidines?

PRACTICE: If a piece of double-stranded DNA is made of 35% A and 15% C, what percent of its composition is T and G?