RNA VS DNA

- DNA and RNA are two different nucleic acids found in the cells of every living organism.
- DNA and RNA structure are similar because they both consist of long chains of nucleotide units.
- However, there are a few structural details that distinguish them from each other...

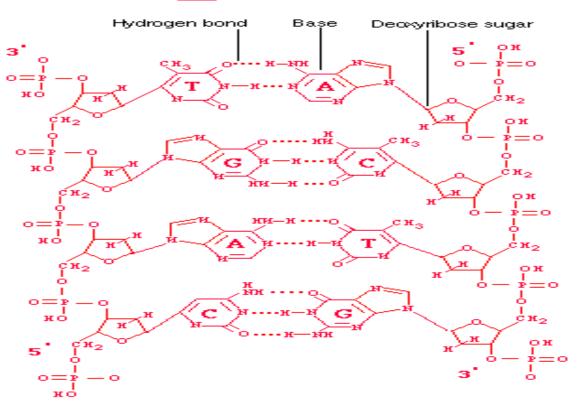
RNA is single stranded, DNA is double stranded

RNA and DNA

RNA (single stranded)

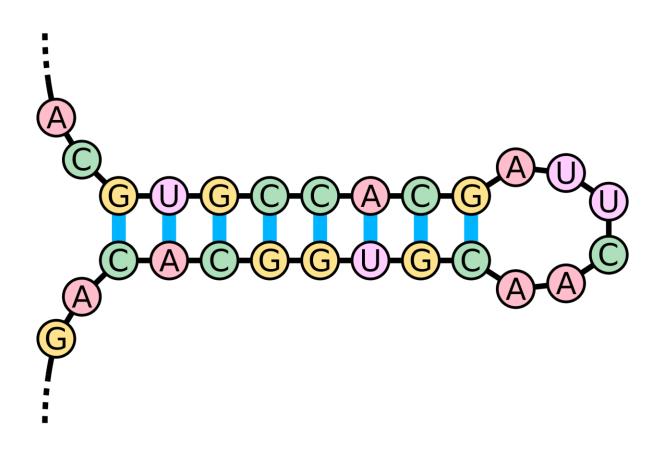
Ribose sugar 3 жо жо

DNA (double stranded

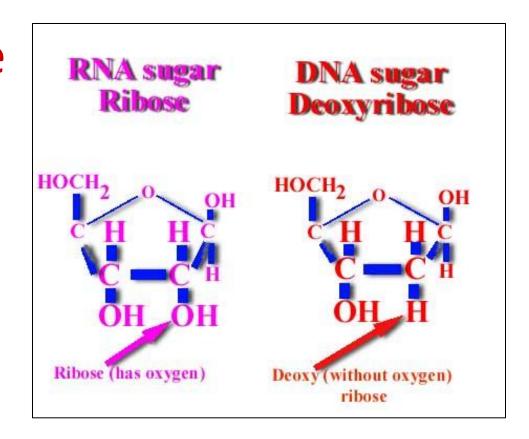


Although, sometimes a strand of RNA can base pair with itself

See how this is one strand that has bent back to bond with itself?



 RNA has ribose sugar, not deoxyribose sugar



- RNA bases are A,
 G, C and U (uracil),
 no T
 - Uracil is a
 pyrimidine and
 forms two
 hydrogen bonds
 with adenine

