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1 | Nucleic Acids

1.1 | Nucleic Acids

d-Oxy Ribone Nucleic Acid: DNA Ribone Nucleic Acid: RNA

All nucleic acids are comprised of monomer units that's synthesized together into polymers. => Just like [KBhBIO101Carbs](#) or [KBhBIO101AminoAcids](#)

1.2 | 3 basic parts of a Nucleic Acid

- phosphate group
- sugar (Ribos => sugar in RNA, di-oxy Ribos => sugar in HNA)
 - In di-oxy Ribos: a OH pair is replaced with a hydrogen **only in one position**. Hence “di-oxy”
- nitrogenous base
 - Bases in DNA
 - A, T, G, C
 - Bases in RNA
 - A, U, G, C

DNA vs. RNA structure and synthesis

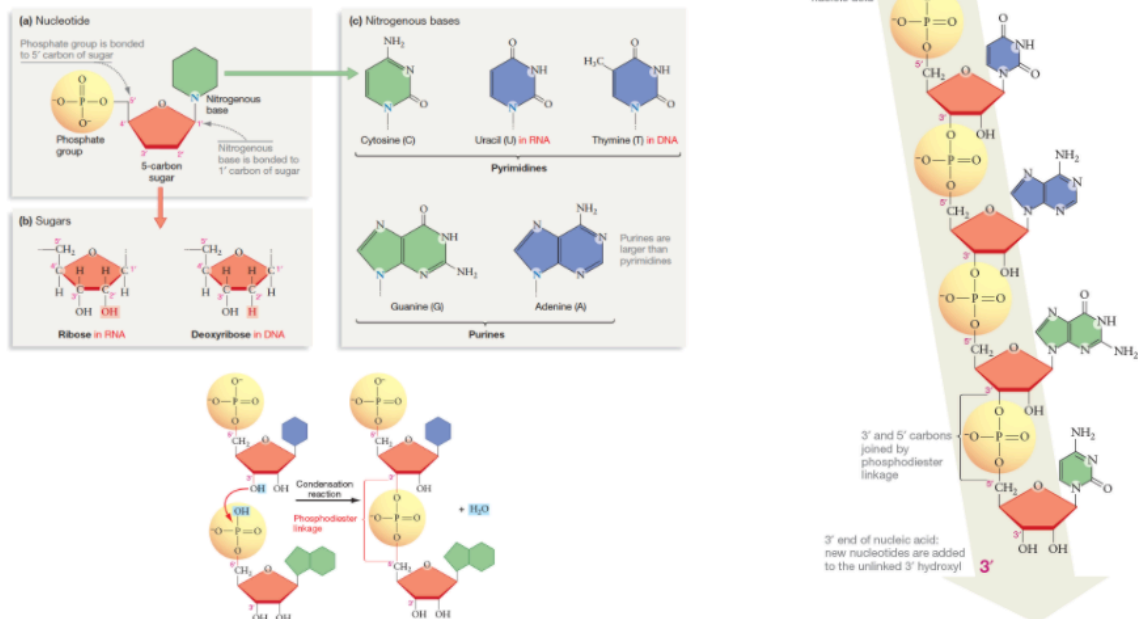


Figure 1: DNARNA_nucleic.png