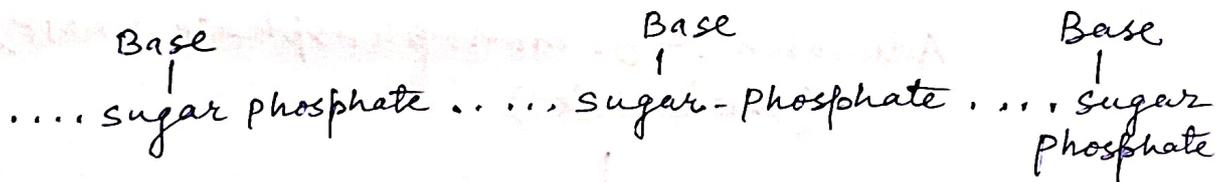


Nucleic Acids continued -

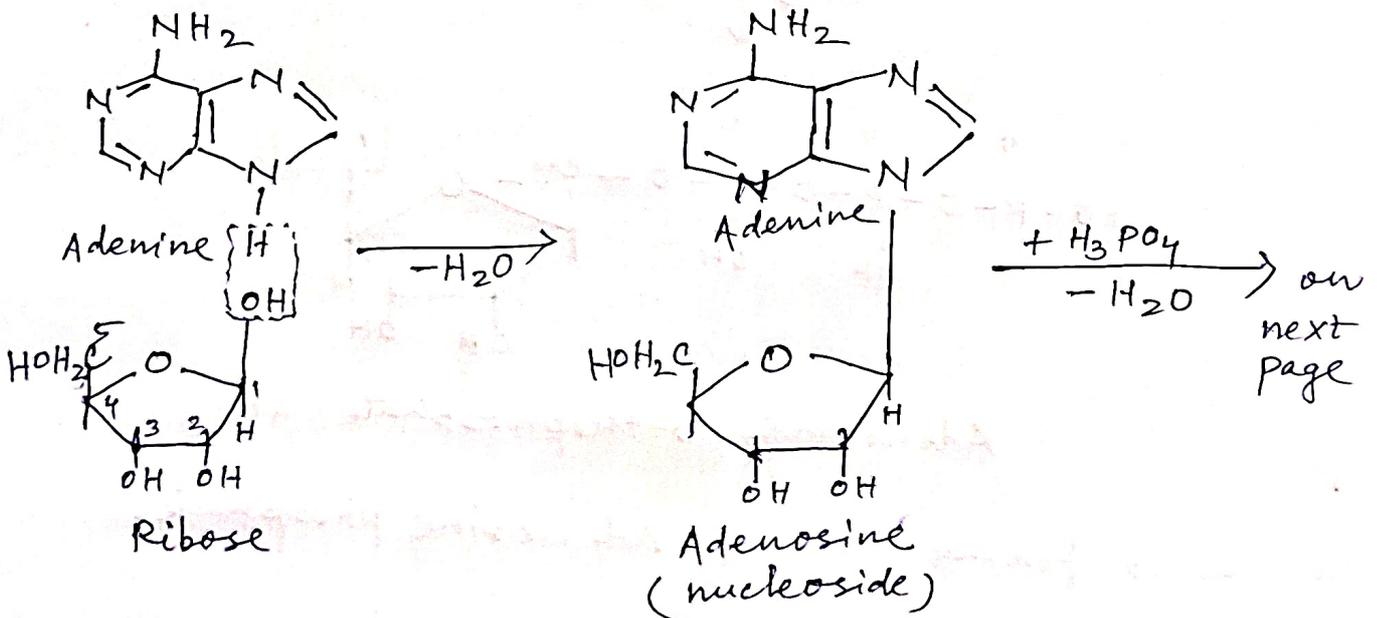
Polynucleotides

A nucleic acid can be considered as a polymer of nucleotides, which are linked as shown below.

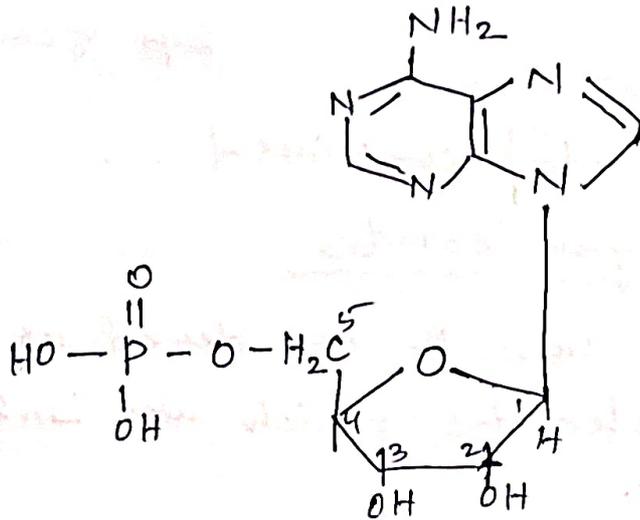


The nucleotide having only one phosphate group is termed as monophosphate. It may however, link itself with one or two additional phosphate groups. Accordingly, the nucleotide is termed as diphosphate or triphosphate.

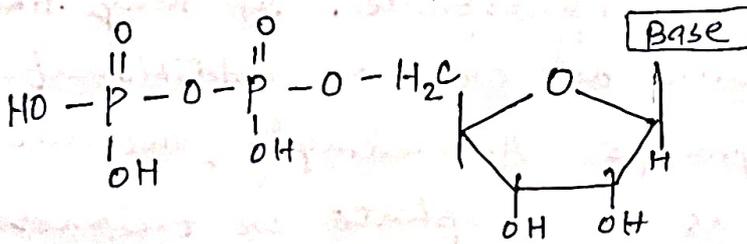
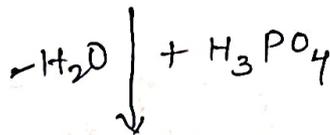
The formation of adenosine phosphate is shown below:-



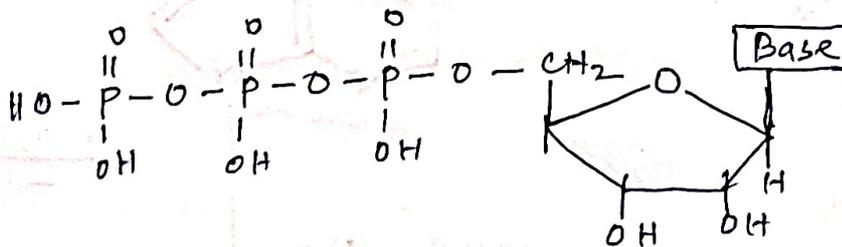
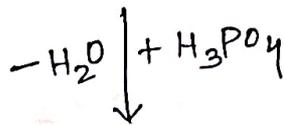
2



Adenosine - 5 - monophosphate (AMP)
(nucleotide)



Adenosine - 5 - diphosphate (ADP)



Adenosine - 5 - triphosphate (ATP)

→ Formation of Adenosine phosphates.