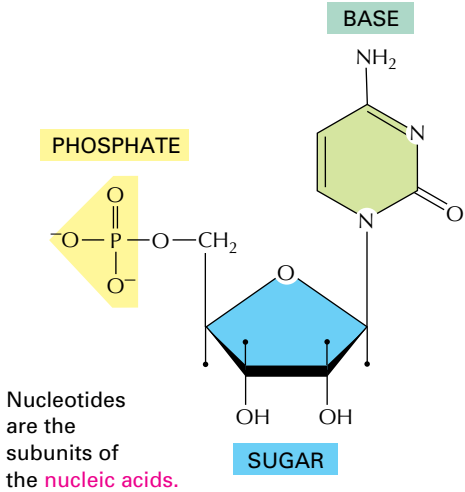


**PANEL 2-6** A Survey of the Nucleotides

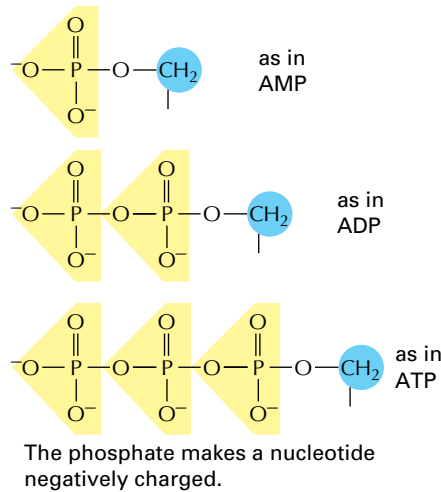
**NUCLEOTIDES**

A nucleotide consists of a nitrogen-containing base, a five-carbon sugar, and one or more phosphate groups.

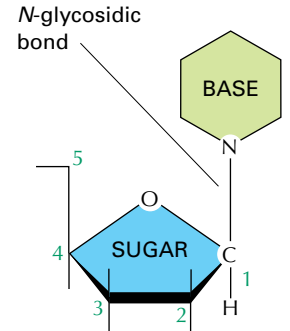


**PHOSPHATES**

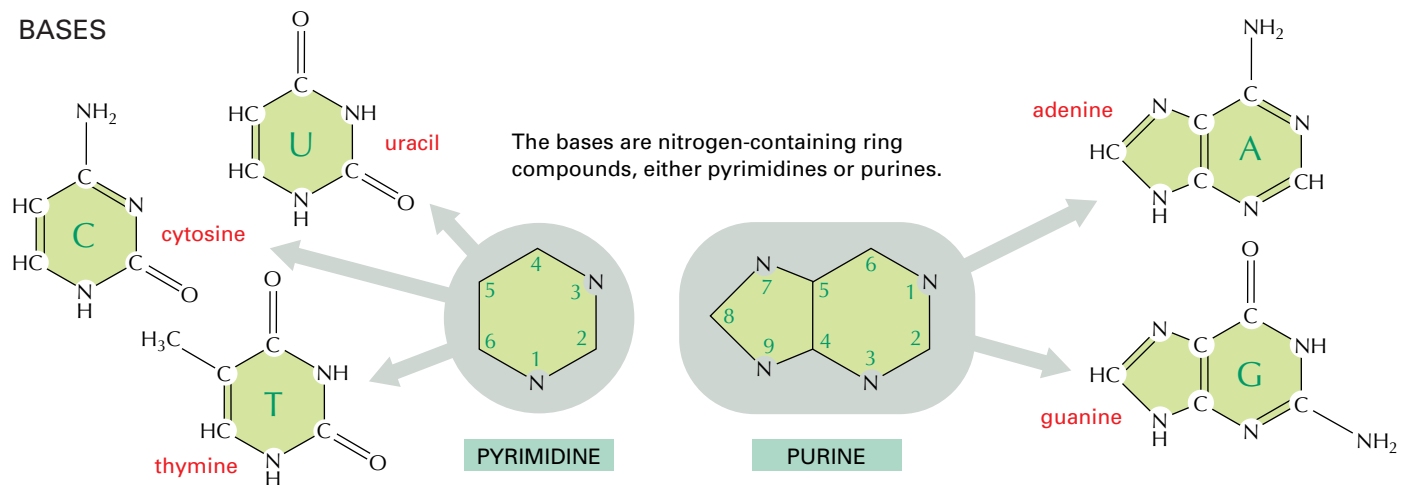
The phosphates are normally joined to the C5 hydroxyl of the ribose or deoxyribose sugar (designated 5'). Mono-, di-, and triphosphates are common.



**BASIC SUGAR LINKAGE**



**BASES**



**SUGARS**

