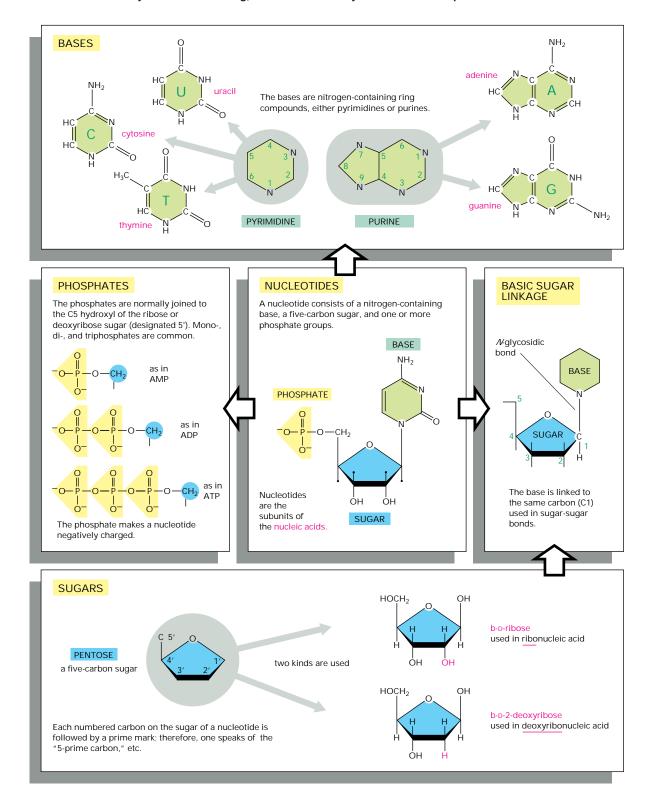




Survey of Nucleotides - Part 1

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Survey of Nucleotides - Part 2

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NOMENCLATURE

The names can be confusing, but the abbreviations are clear.

BASE	NUCLEOSIDE	ABBR.
adenine	adenosine	Α
guanine	guanosine	G
cytosine	cytidine	С
uracil	uridine	U
thymine	thymidine	Т

Nucleotides are abbreviated by three capital letters. Some examples

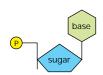
AMP = adenosine monophosphate dAMP = deoxyadenosine monophosphate

UDP = uridine diphosphate

ATP = adenosine triphosphate



BASE + SUGAR = NUCLEOSIDE



BASE + SUGAR + PHOSPHATE = NUCLEOTIDE

NUCLEIC ACIDS

Nucleotides are joined together by a phosphodiester linkage between 5' and 3' carbon atoms to form nucleic acids. The linear sequence of nucleotides in a nucleic acid chain is commonly abbreviated by a one-letter code, A—G—C—T—T—A—C—A, with the 5'

