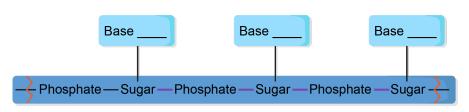
CONCEPT: PRIMARY STRUCTURE OF NUCLEIC ACIDS

- The primary structure of a nucleic acid is the ______ of nucleotides attached through phosphodiester bonds.
 - □ Phosphodiester bonds: the bonds of the phosphate group that connect ___ sugars in the primary structure.
 - □ Repeating phosphate-sugar-phosphate sequence forms the nucleic acid ______

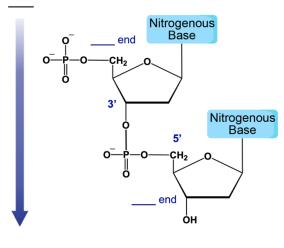


EXAMPLE: A pentanucleotide has a base sequence of G-A-U-C-A. Based on the given sequence, what is its likely origin?

a) DNA

b) Fructose

- c) RNA
- d) Oleic acid
- Directionality: the sequence of nucleotides is read from the _____ to ____ end.



EXAMPLE: Which of the following statements about primary nucleic acid structure is incorrect?

- a) The structure and function of a nucleic acid is based on the sequence of the connected nucleotides.
- b) The sequence of nitrogenous bases is read from the 5' to the 3' end.
- c) A phosphodiester bond represents a bond between the phosphate group and the sugar.
- d) The difference between nucleic acids is the result in the difference of the sugar attached to the backbone.

CONCEDT: DDIMA	RY STRUCTURE OF NUCLEIC ACIDS	
	the full structure of the DNA trinucleotide G-A-T and label its 5' and 3' ends.	
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	he following primary structure based on the following description:	
	he following primary structure based on the following description: with deoxyribose sugars with dTMP bases connected by phosphodiester bond	S.
		S.