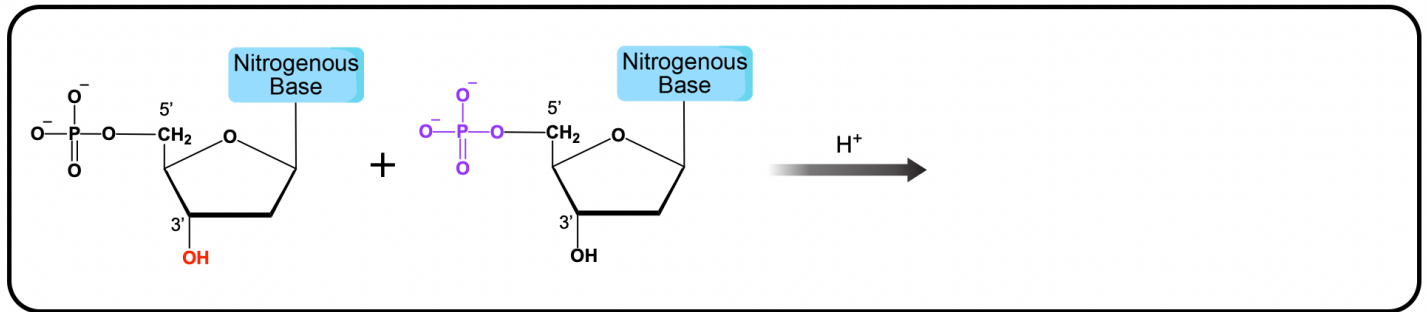
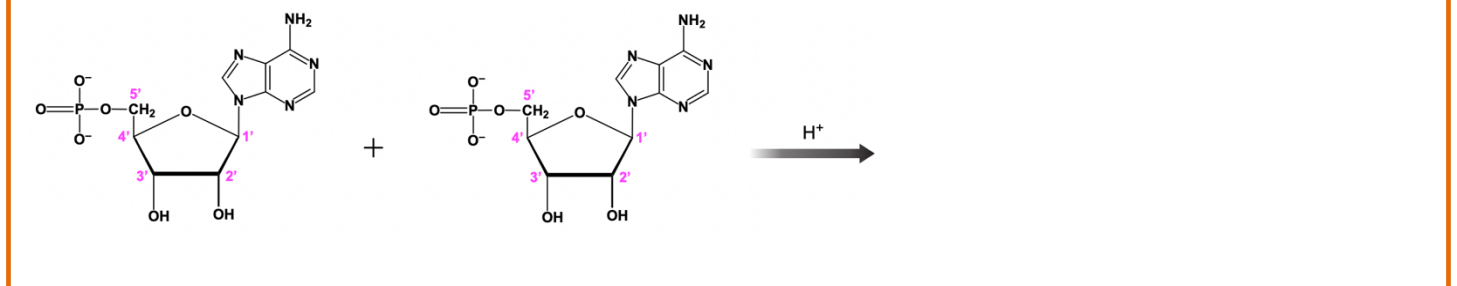


CONCEPT: PHOSPHODIESTER BOND FORMATION

- **Phosphodiester Bond Formation:** sugar of a nucleotide + phosphate of another nucleotide = _____ bond.
 - C3' **OH** group of one nucleotide replaces an ____ of the phosphate group in another nucleotide.



EXAMPLE: Draw the phosphodiester bond formed from the following two nucleotides.



PRACTICE: Draw the following phosphodiester bond based on the given description: A phosphodiester bond that connects the C3' OH group in the ribose of UMP and the 5' carbon in the ribose of CMP.