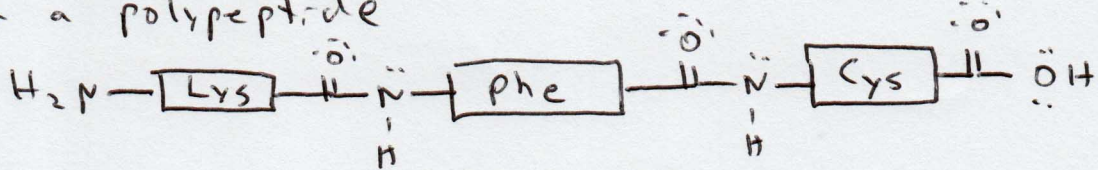


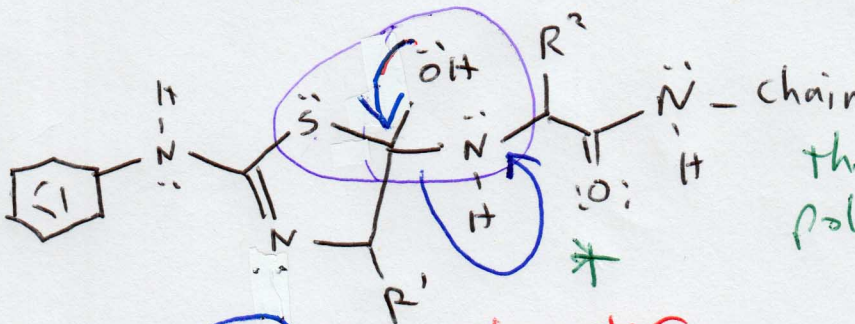
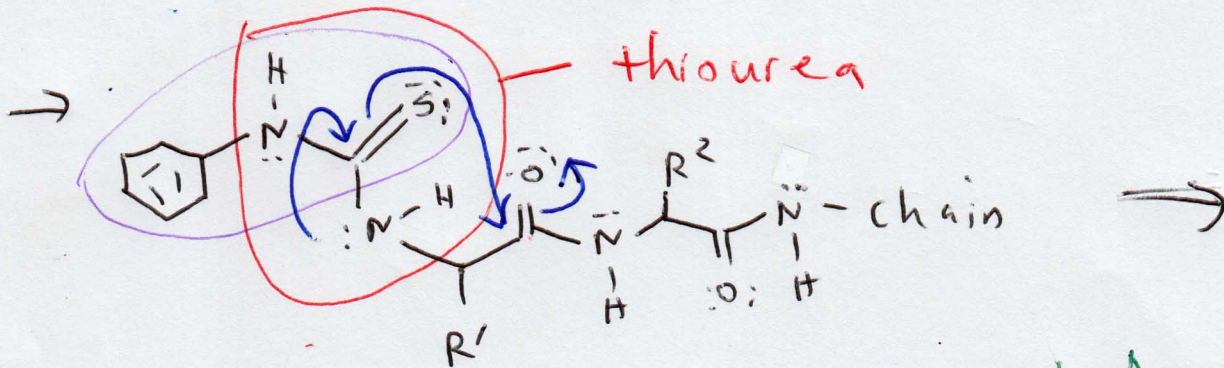
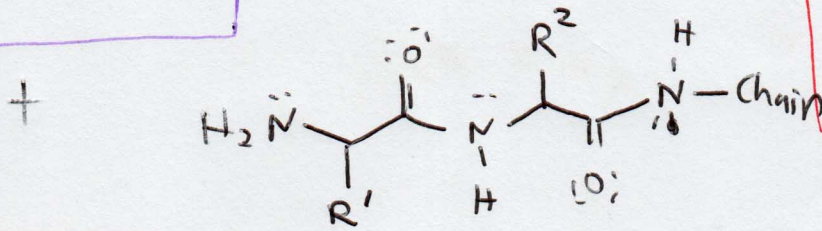
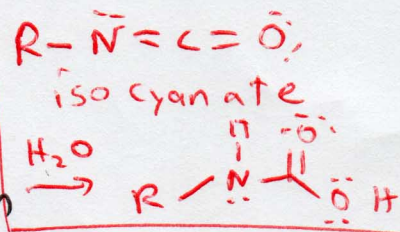
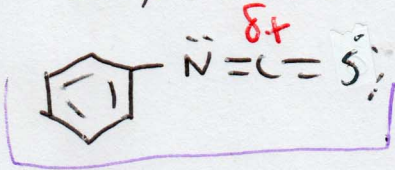
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Sequencing → Determining the order of amino acids in a polypeptide

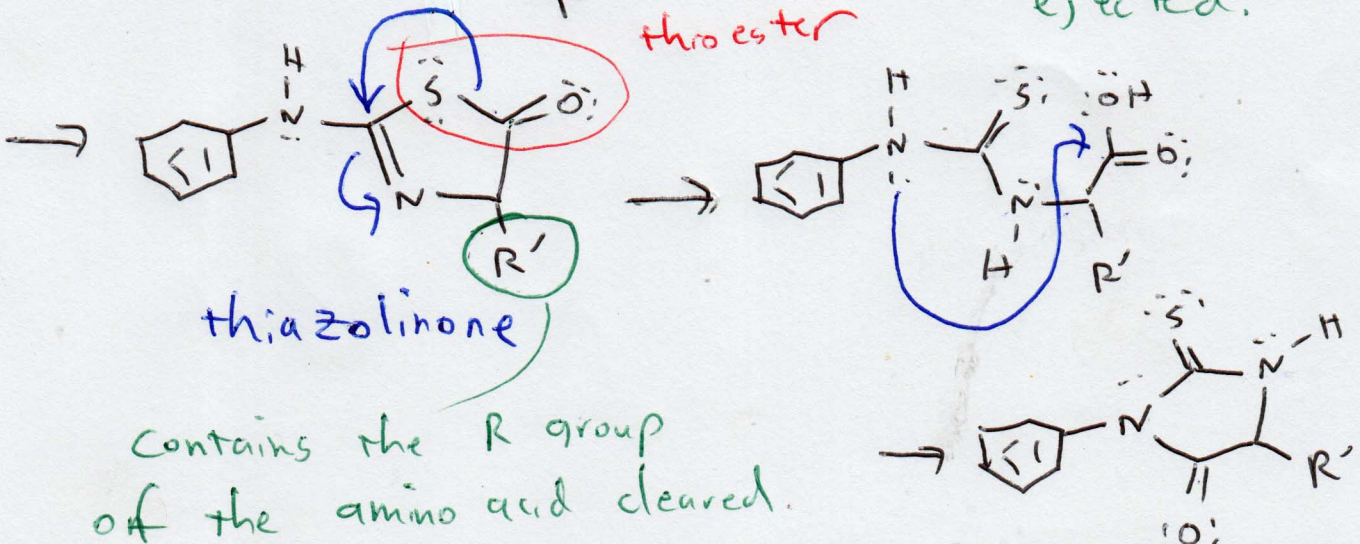


Lys-Phe-Cys

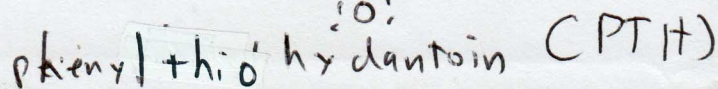
Edman degradation — phenylisothiocyanate (PITC)



At this point in the mechanism, the remainder of the polypeptide chain is ejected.

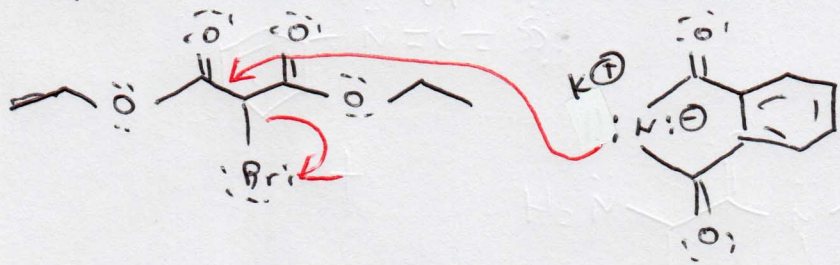


contains the R group of the amino acid cleared from the chain.

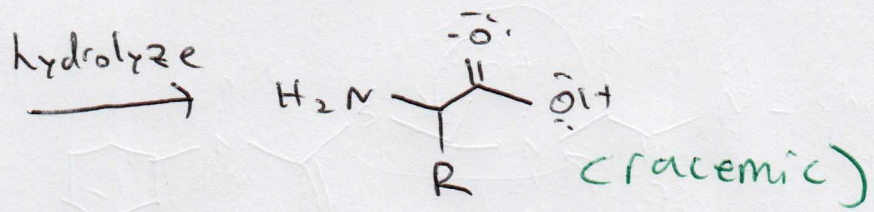
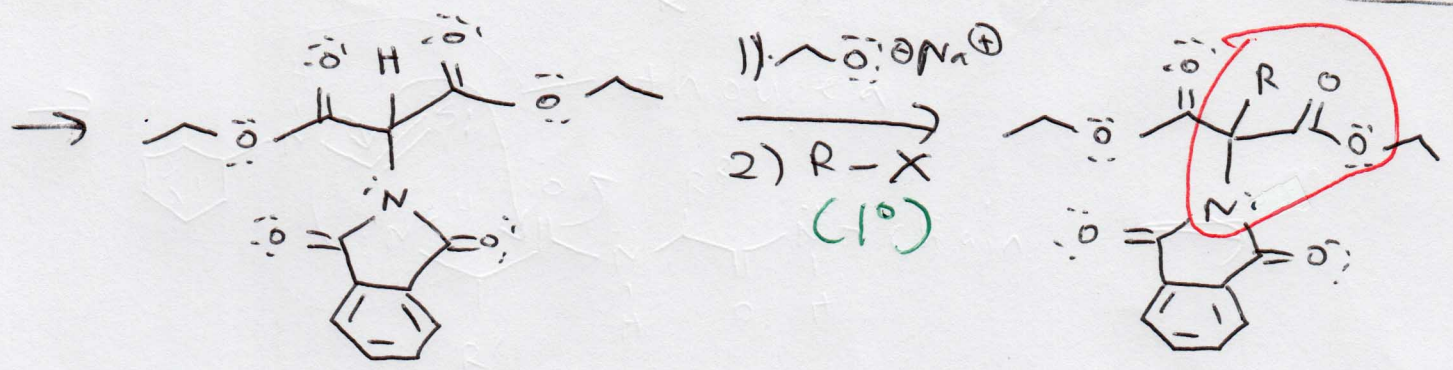


PITC is able to cleave only the first amino acid from the amino terminus of a polypeptide. The identity of the amino acid can be determined from the PTH derivative that results. The process can be repeated to determine the sequence of a peptide chain.

Synthesis of amino acids



ACS Exam  
What day?  
Carbene



No class 6/8/12