

Figure: 02\_66

Ordering of peptide fragments from overlapping sequences produced by specific proteolysis of a peptide.

Copyright © 1997 Wiley-Liss, Inc.







# SEQUENCING

## Edman reaction!

7

### EDMAN DEGRADATION

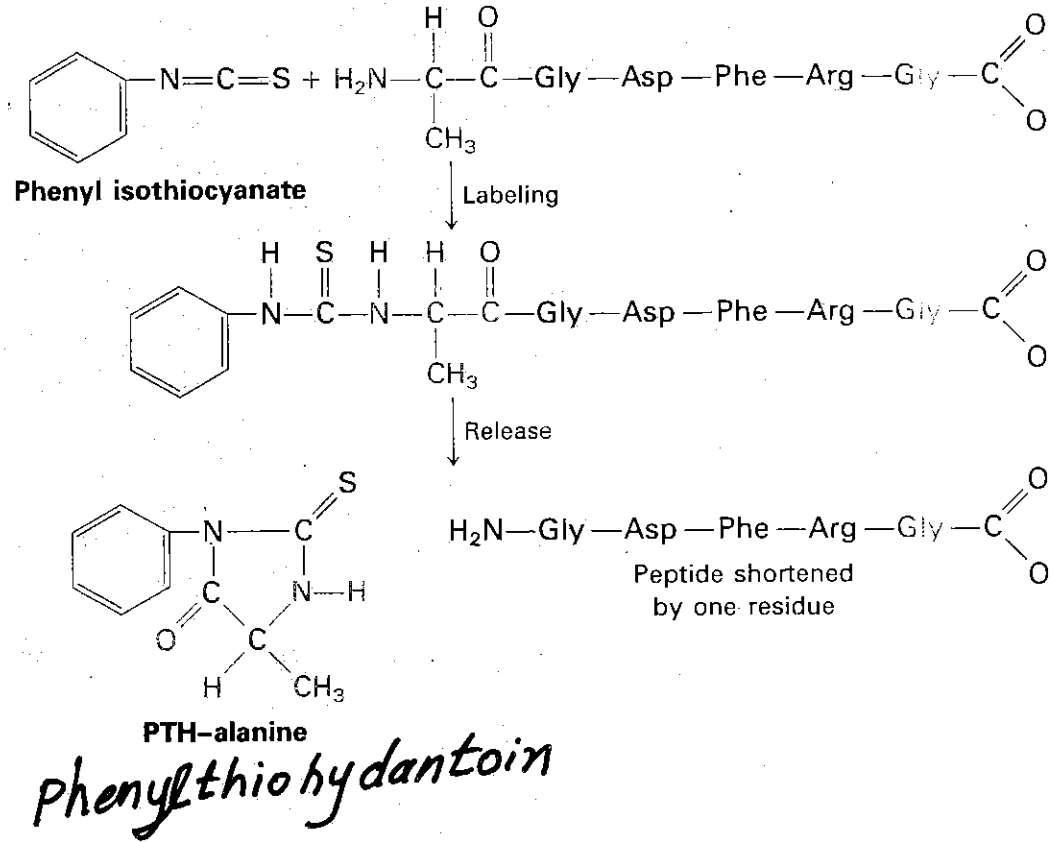
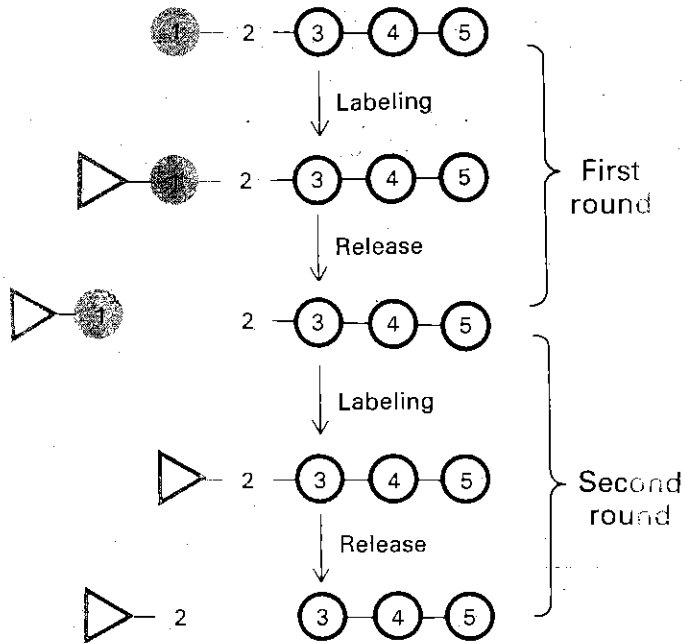


Figure 3-18, page 55



SEQUENCING

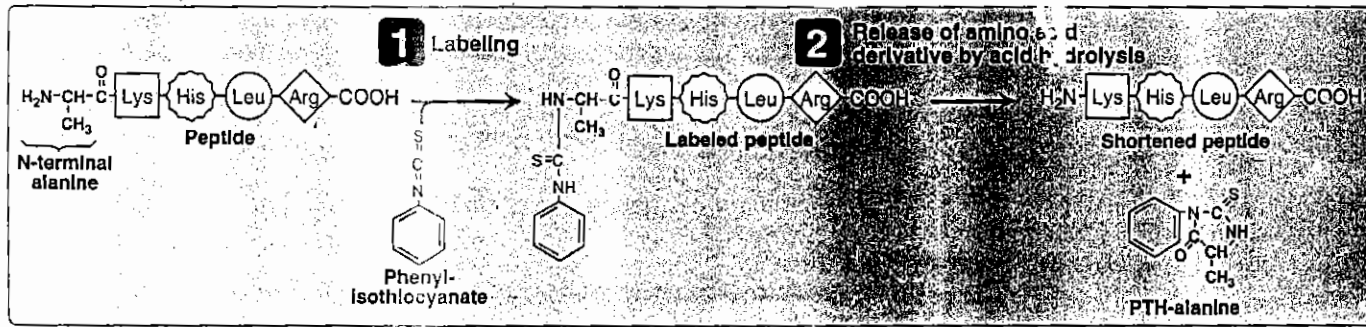
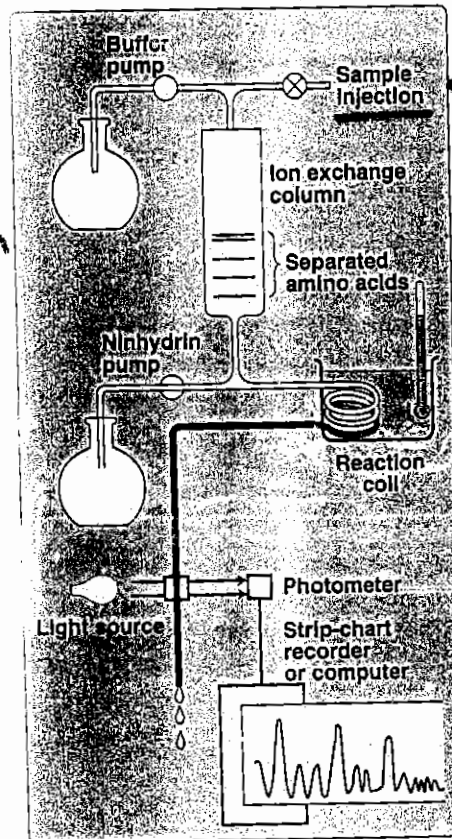


Figure 2.4  
Determination of the amino-terminal residue of a polypeptide by Edman degradation.

Determination of amino acid composition of a polypeptide (Amino acid Analyzer)

- Hydrolysis of the peptide bonds by boiling in 6N HCl for 24 hr



← amino acids hydrolyzate

Amino acid + amino of Ninhydrine → blue-purple color

