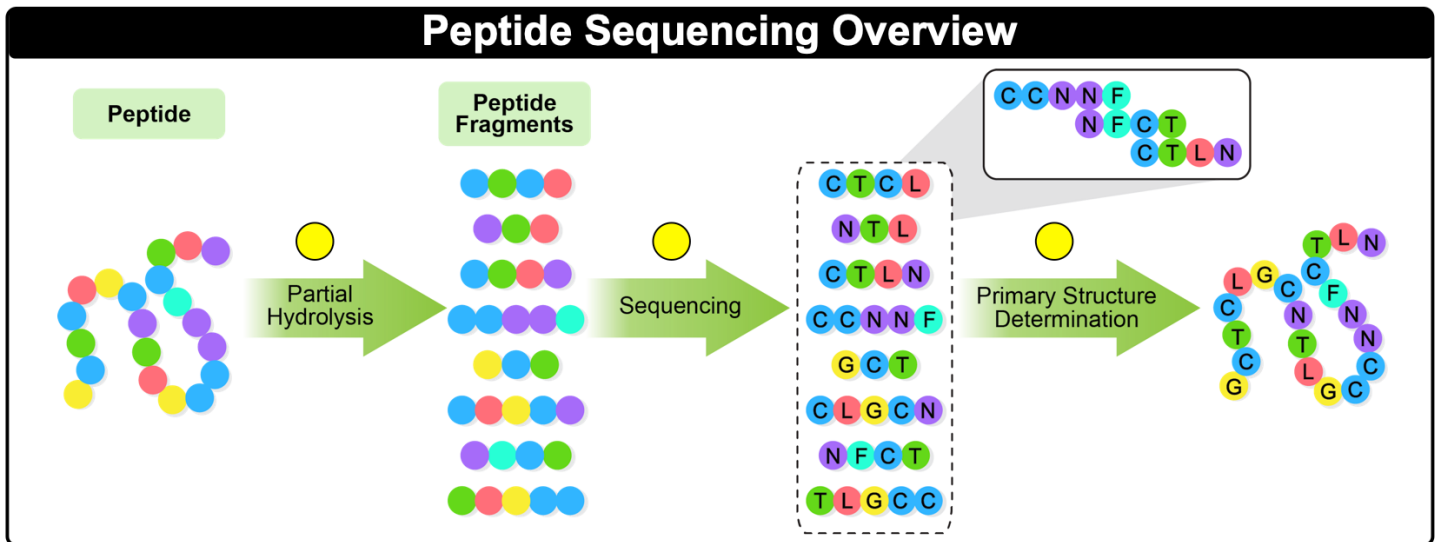


CONCEPT: INTRO TO PEPTIDE SEQUENCING

• **Peptide Sequencing:** determination of a protein's _____ structure.

- 1 In order to sequence a peptide, it must first be hydrolyzed into _____ fragments.
- 2 Peptide fragments are _____ using various methods.
- 3 Sequenced fragments are then _____ together like a puzzle to reveal a _____ sequence.



EXAMPLE: Which of the following best describes the process of peptide sequencing?

- a) Hydrolyze peptide into amino acids, sequence individual amino acids and figure out how they fit together.
- b) Hydrolyze protein into fragments, sequence and fit them together to determine the primary structure.
- c) Sequence the protein without hydrolysis, then determine the primary structure.
- d) Hydrolyze protein into fragments, figure out how they fit together, then sequence them.