

# Proteins

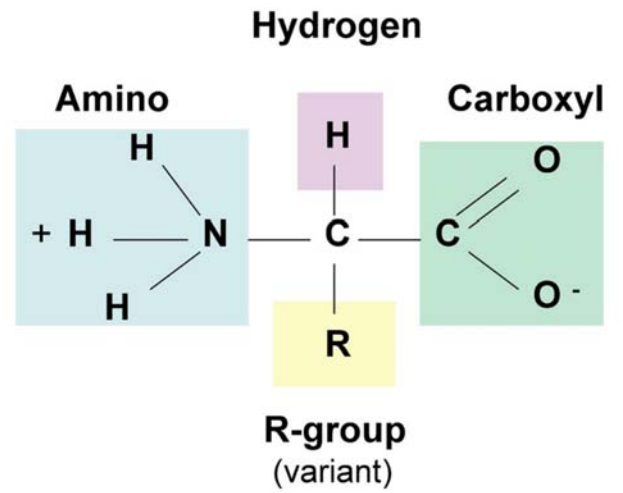
-Made up of C, H, O, N (and sometimes P and S)

-**Monomers** = amino acids

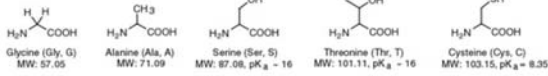
\*there are 20 amino acids



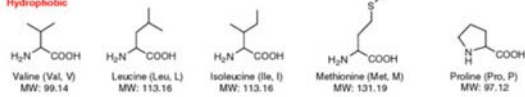
# Amino Acid Structure



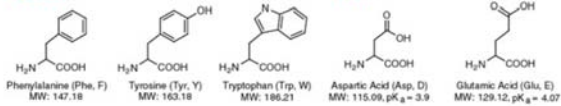
### Small



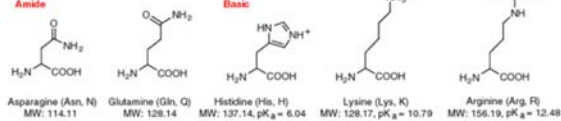
### Hydrophobic



### Aromatic



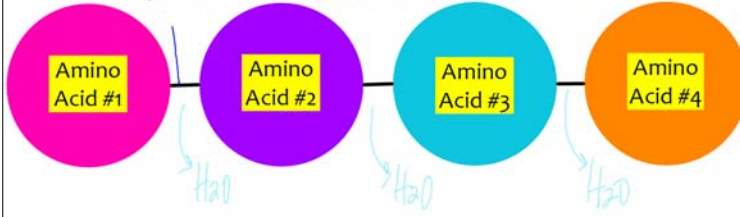
### Amide



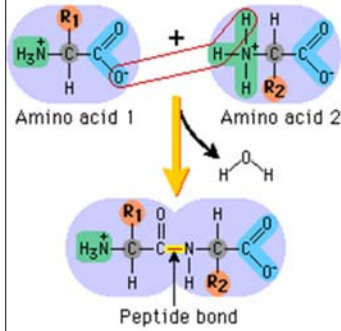
## MONOMER:



## Protein Polymers: Polypeptides

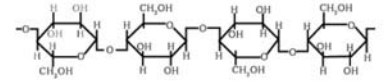


### ■ Peptide Bond



### ■ Polypeptide

Primary protein structure -  
a polypeptide chain



## Proteins:

### ■ Functions:

- Muscle Growth & Repair
- Immune System
- Digest food (enzymes)

## EXAMPLE = ENZYMES

"Lock & Key" Speed up reactions/break apart food

