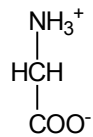


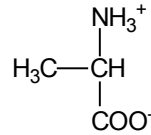
The amino acids

hydrophobic amino acids

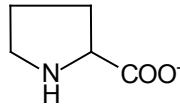
small neutral amino acids



glycine (Gly, G)

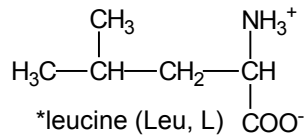


alanine (Ala, A)

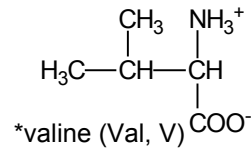


proline (Pro, P)

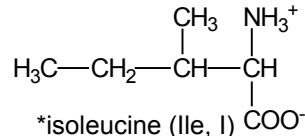
large neutral amino acids



*leucine (Leu, L)

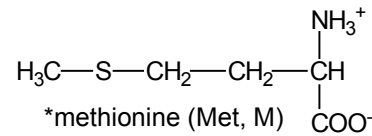


*valine (Val, V)



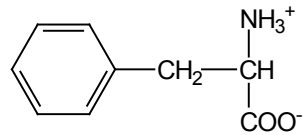
*isoleucine (Ile, I)

branched-chain amino acids

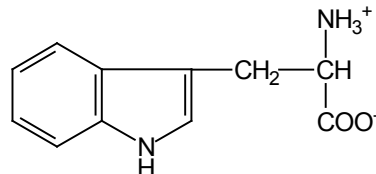


*methionine (Met, M)

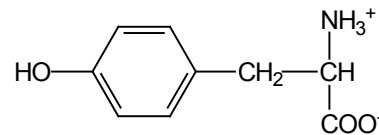
aromatic amino acids



*phenylalanine (Phe, F)



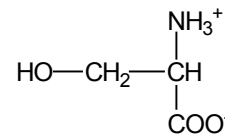
*tryptophan (Trp, W)



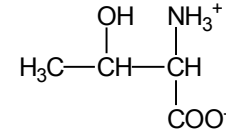
tyrosine (Tyr, Y)

hydrophilic amino acids

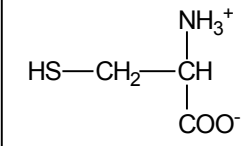
neutral hydrophilic amino acids



serine (Ser, S)

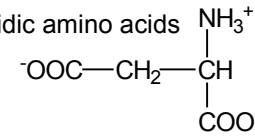


*threonine (Thr, T)

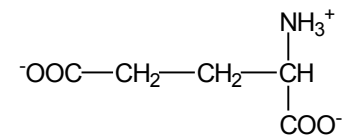


cysteine (Cys, C)

acidic amino acids

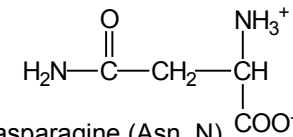


aspartate (Asp, D)

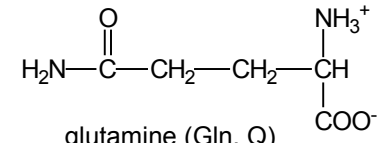


glutamate (Glu, E)

amino acid amides

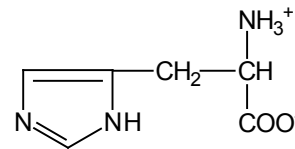


asparagine (Asn, N)

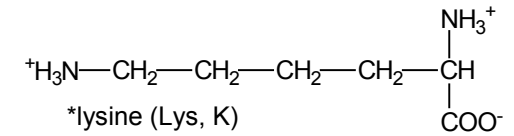


glutamine (Gln, Q)

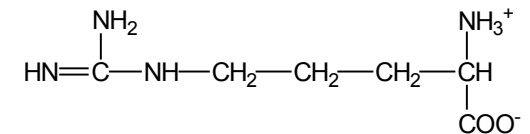
basic amino acids



*histidine (His, H)



*lysine (Lys, K)



arginine (Arg, R)