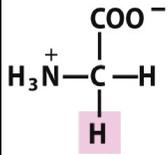
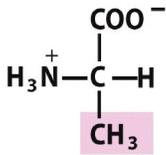


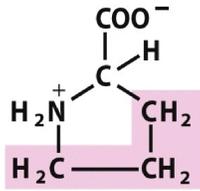
Nonpolar, aliphatic R groups



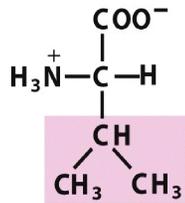
Glycine
Gly, G



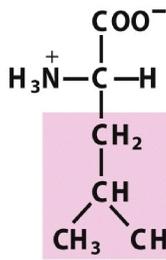
Alanine
Ala, A



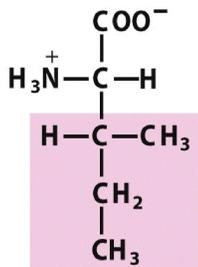
Proline
Pro, P



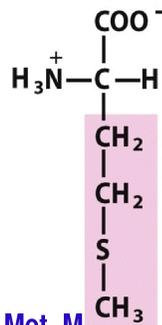
Valine
Val, V



Leu, L
Leucine

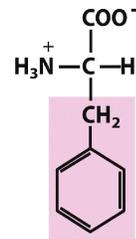


Ile, I
Isoleucine

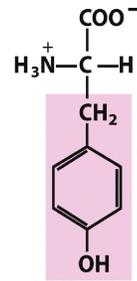


Met, M
Methionine

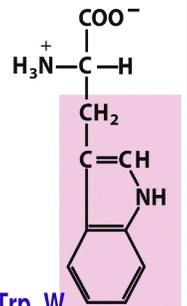
Aromatic R groups



Phe, F
Phenylalanine

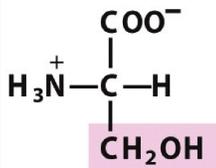


Tyr, Y
Tyrosine

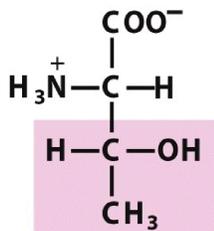


Trp, W
Tryptophan

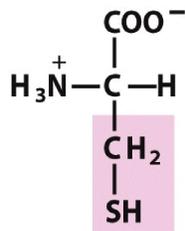
Polar, uncharged R groups



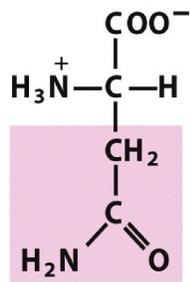
Serine
Ser, S



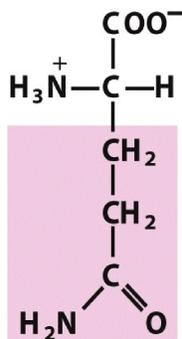
Threonine
Thr, T



Cysteine
Cys, C

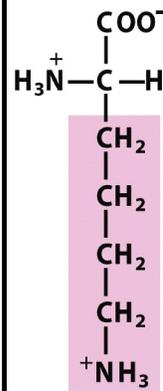


Asn, N
Asparagine

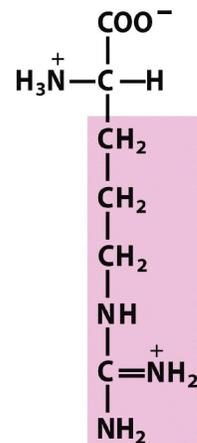


Gln, Q
Glutamine

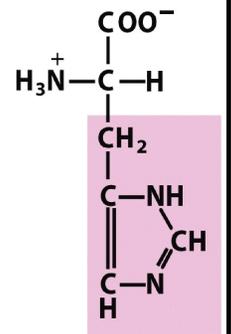
Positively charged R groups



Lys, K
Lysine

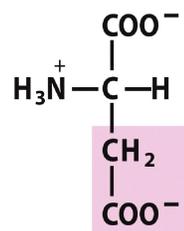


Arg, R
Arginine

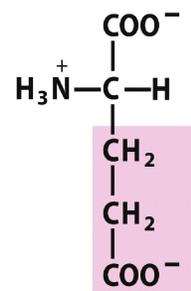


His, H
Histidine

Negatively charged R groups



Asp, D
Aspartate



Glu, E
Glutamate