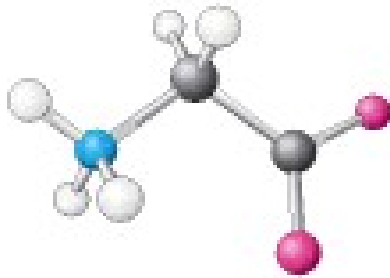
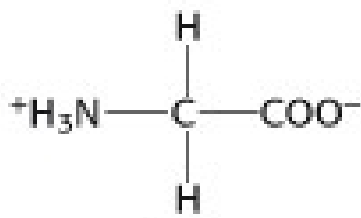
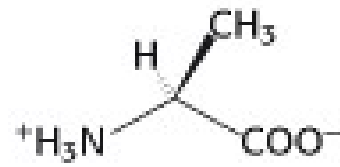
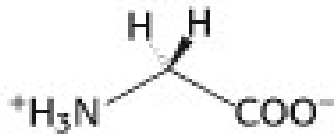
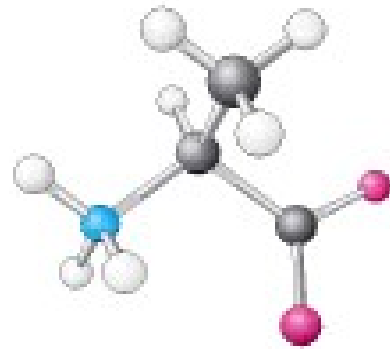


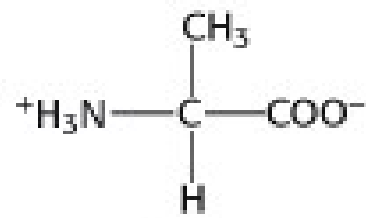
**Glycine
(Gly, G)**



**Alanine
(Ala, A)**

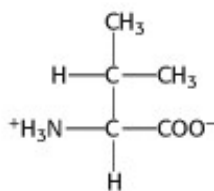
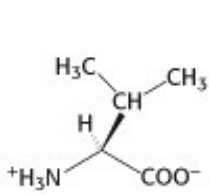
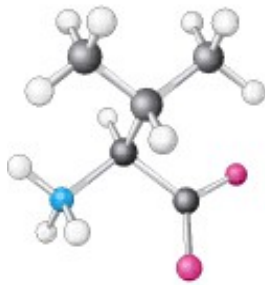


**Glycine
(Gly, G)**



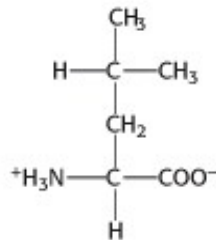
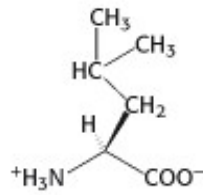
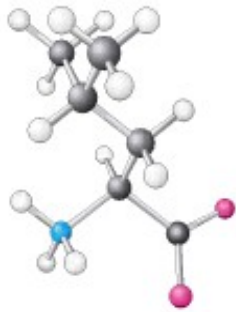
**Alanine
(Ala, A)**

**Valine
(Val, V)**



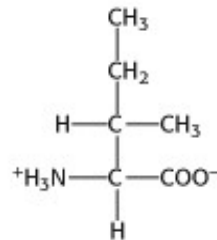
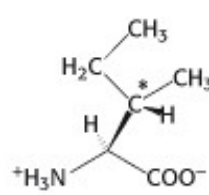
**Valine
(Val, V)**

**Leucine
(Leu, L)**



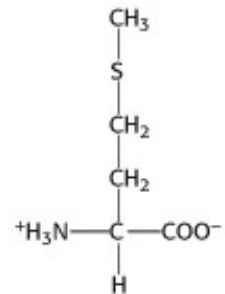
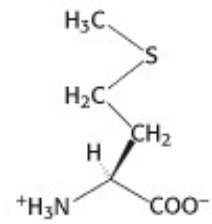
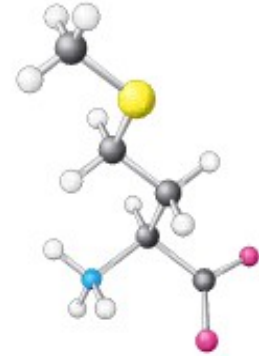
**Leucine
(Leu, L)**

**Isoleucine
(Ile, I)**

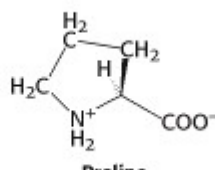
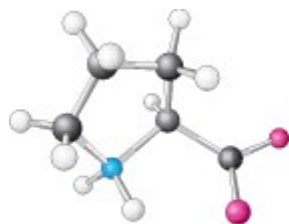


**Isoleucine
(Ile, I)**

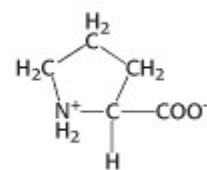
**Methionine
(Met, M)**



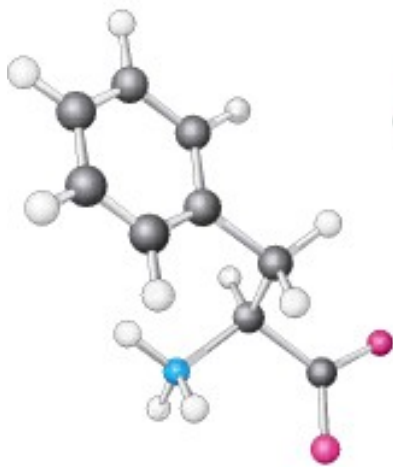
**Methionine
(Met, M)**



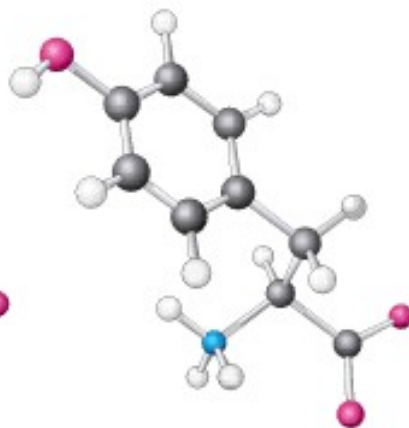
**Proline
(Pro, P)**



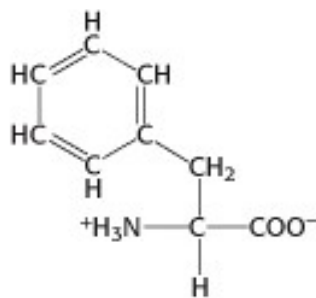
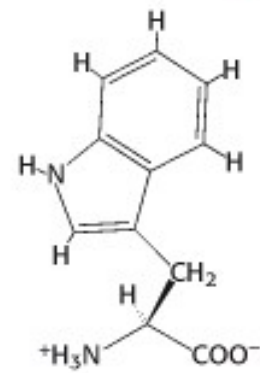
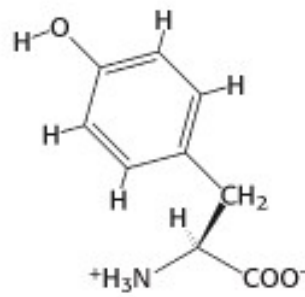
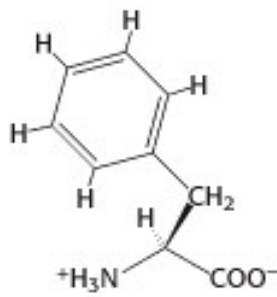
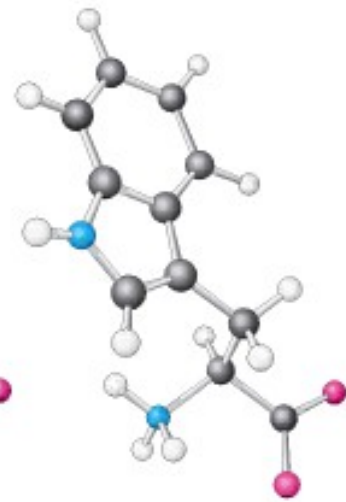
Phenylalanine
(Phe, F)



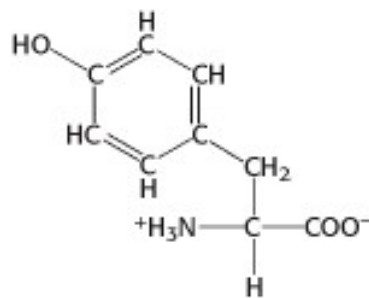
Tyrosine
(Tyr, Y)



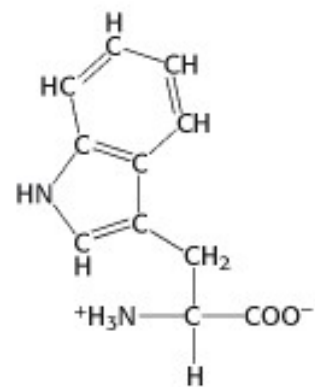
Tryptophan
(Trp, W)



Phenylalanine
(Phe, F)

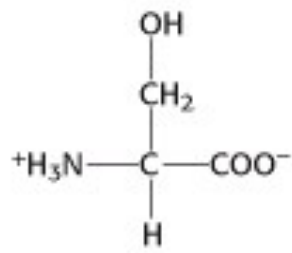
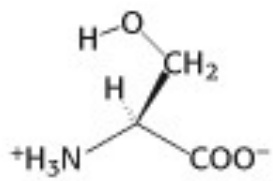
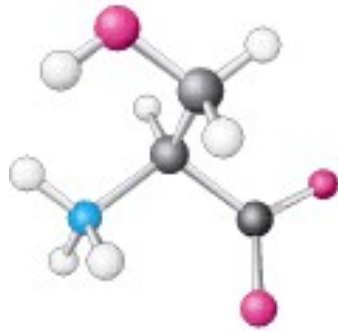


Tyrosine
(Tyr, Y)



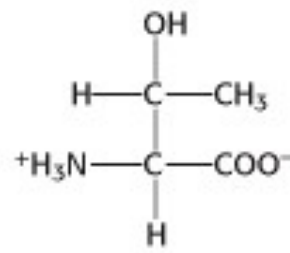
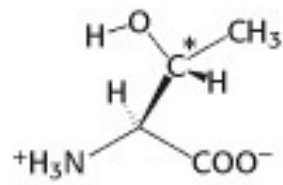
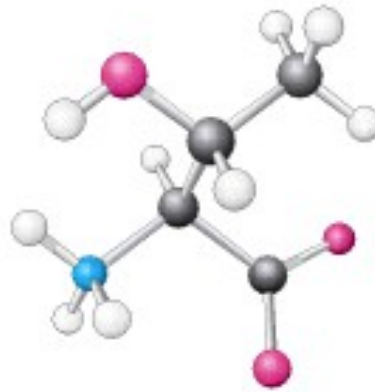
Tryptophan
(Trp, W)

**Serine
(Ser, S)**

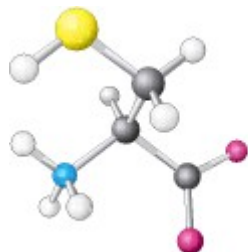


**Serine
(Ser, S)**

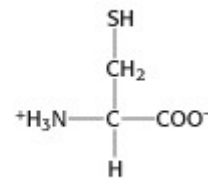
**Threonine
(Thr, T)**

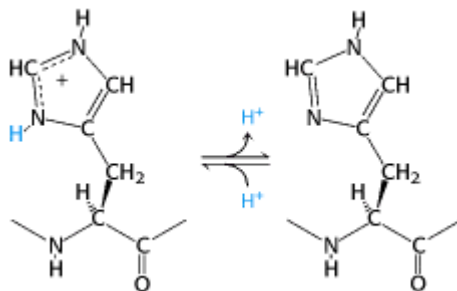
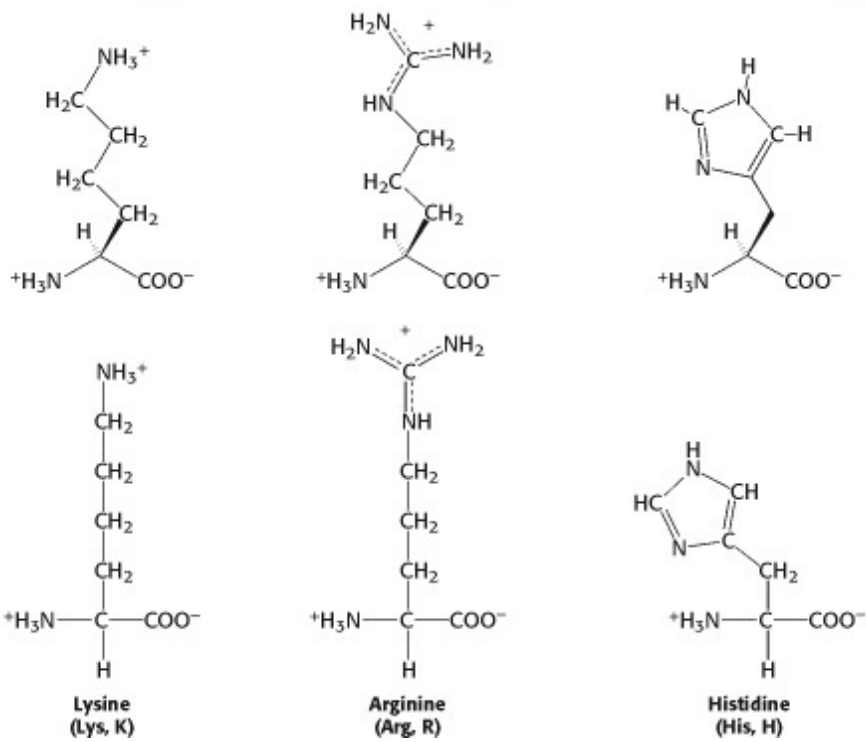
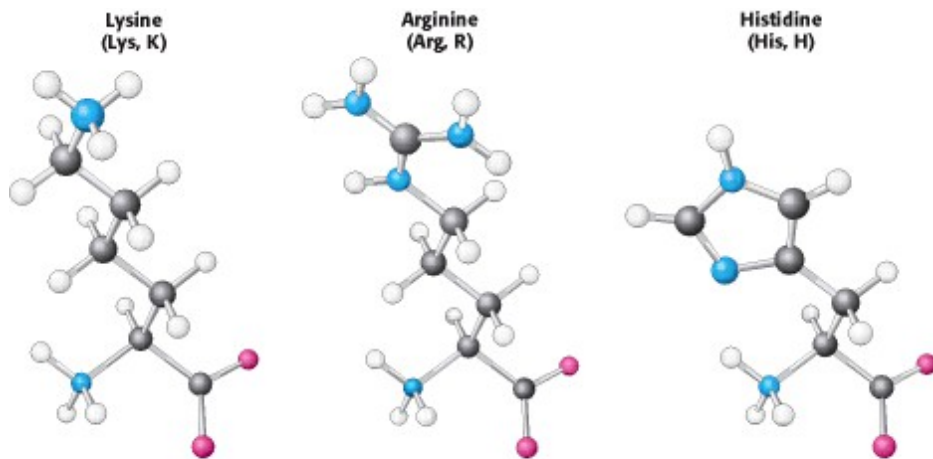


**Threonine
(Thr, T)**



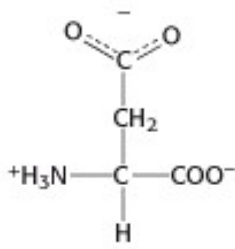
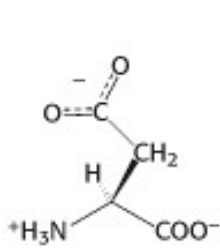
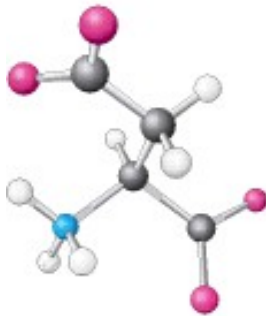
**Cysteine
(Cys, C)**





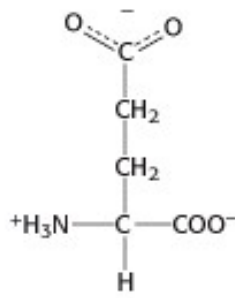
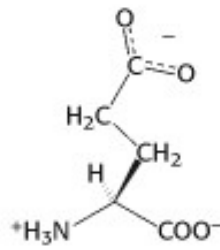
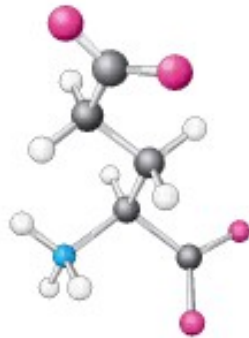
Histidine Ionization. Histidine can bind or release protons near physiological pH.

**Aspartate
(Asp, D)**



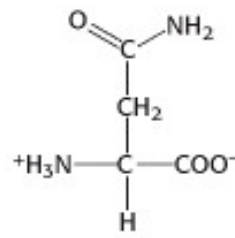
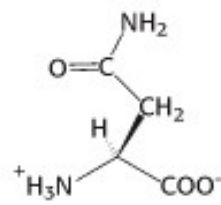
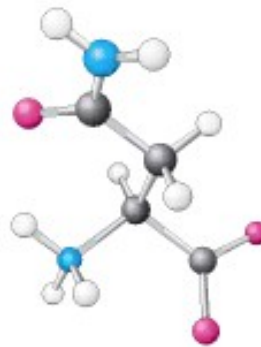
**Aspartate
(Asp, D)**

**Glutamate
(Glu, E)**



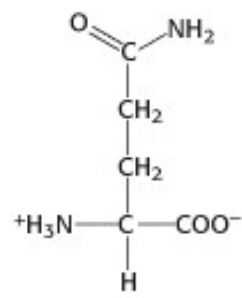
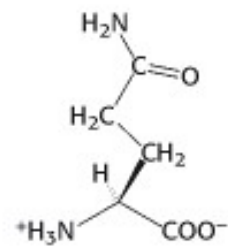
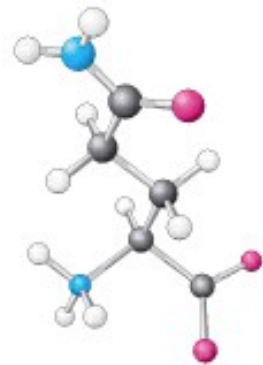
**Glutamate
(Glu, E)**

**Asparagine
(Asn, N)**



**Asparagine
(Asn, N)**

**Glutamine
(Gln, Q)**



**Glutamine
(Gln, Q)**