

Авторський пілотний проект

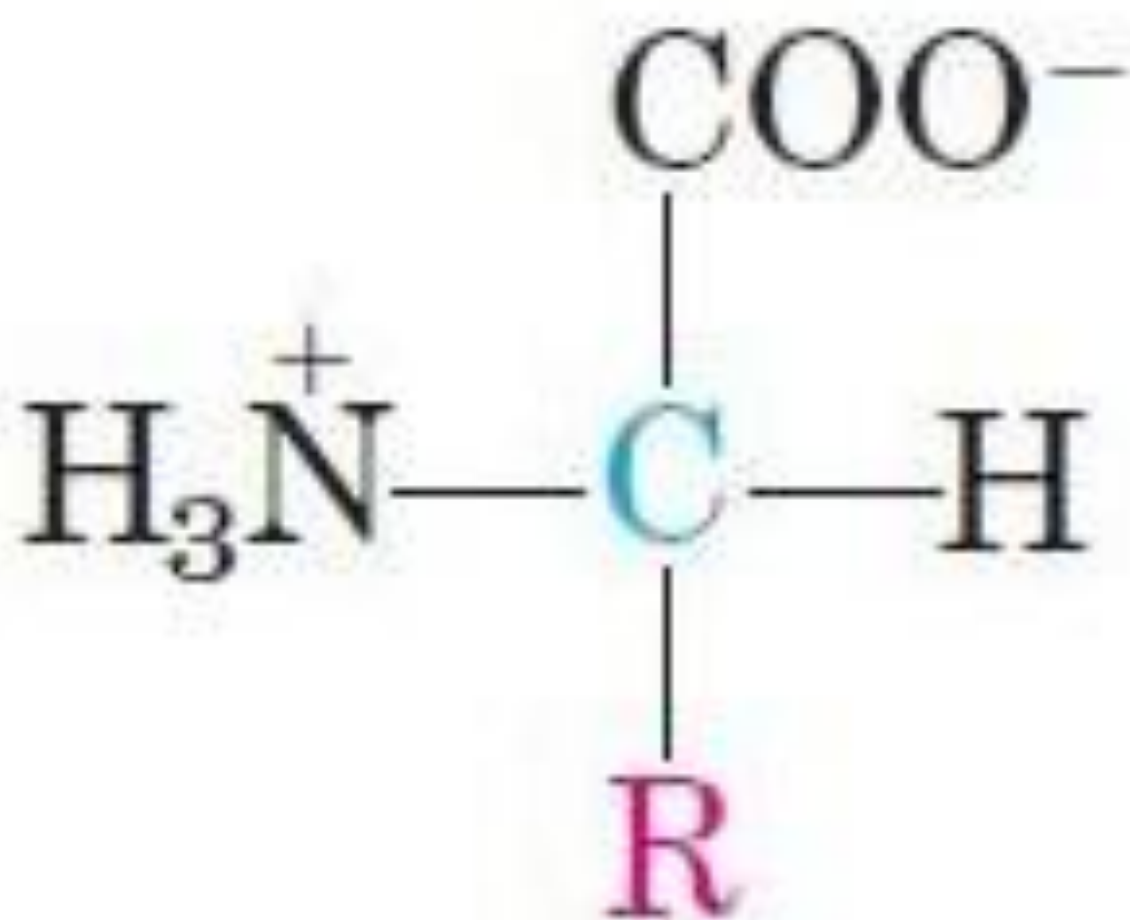


Частина 1. Клітинна біохімія

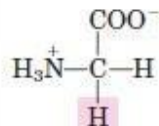
Лекція 2. Метаболізм ліпідів.

Метаболізм білків. Стероїди

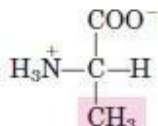
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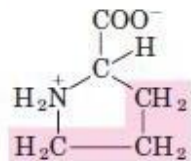
Nonpolar, aliphatic R groups



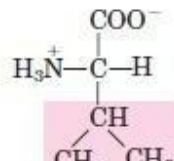
Glycine



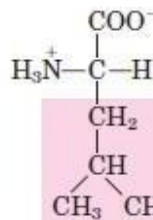
Alanine



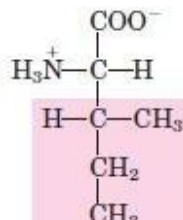
Proline



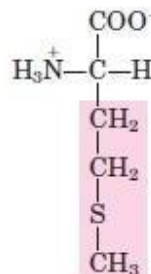
Valine



Leucine

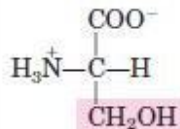


Isoleucine

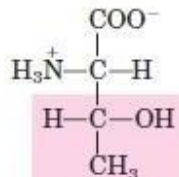


Methionine

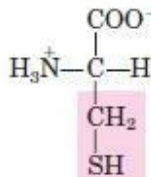
Polar, uncharged R groups



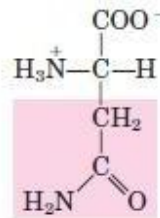
Serine



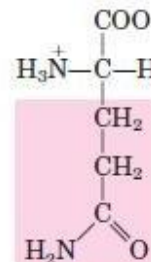
Threonine



Cysteine

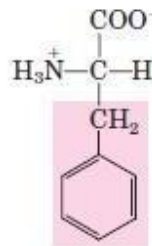


Asparagine

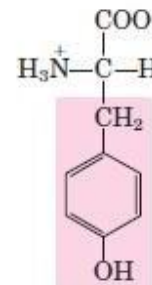


Glutamine

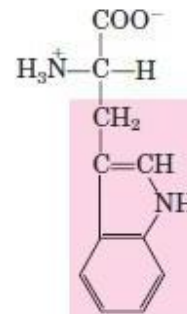
Aromatic R groups



Phenylalanine

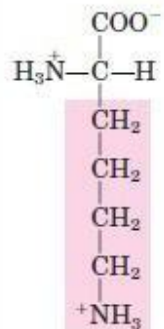


Tyrosine

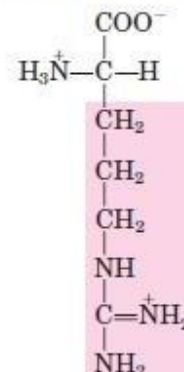


Tryptophan

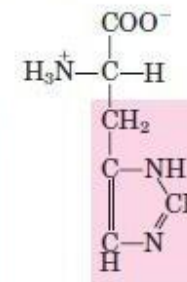
Positively charged R groups



Lysine

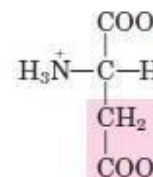


Arginine

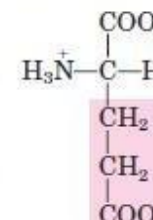


Histidine

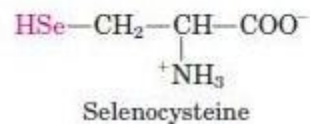
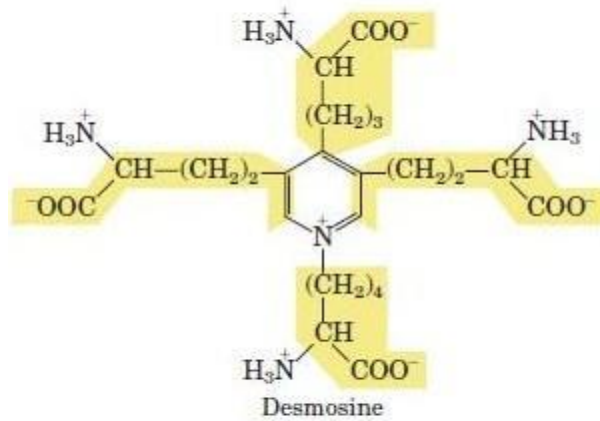
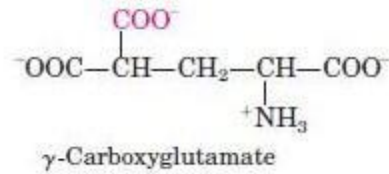
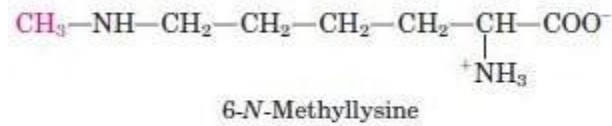
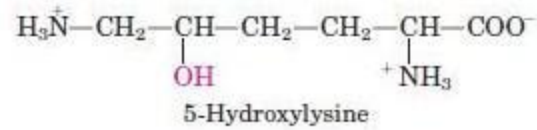
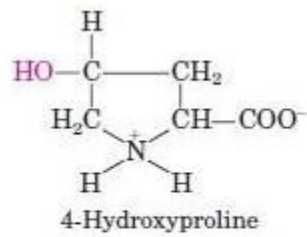
Negatively charged R groups

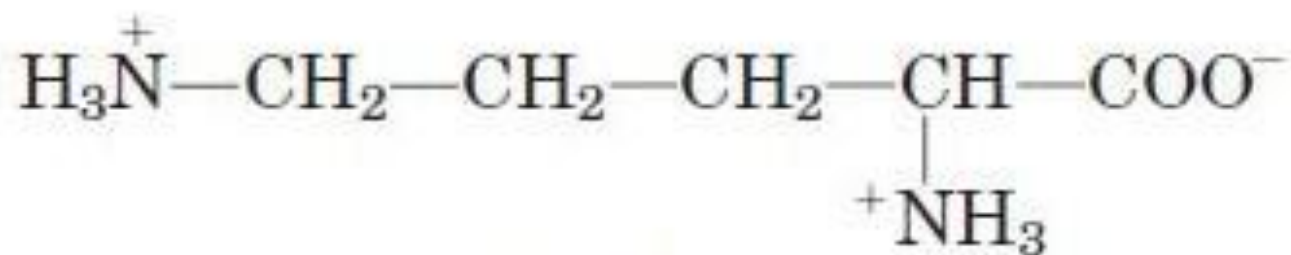


Aspartate

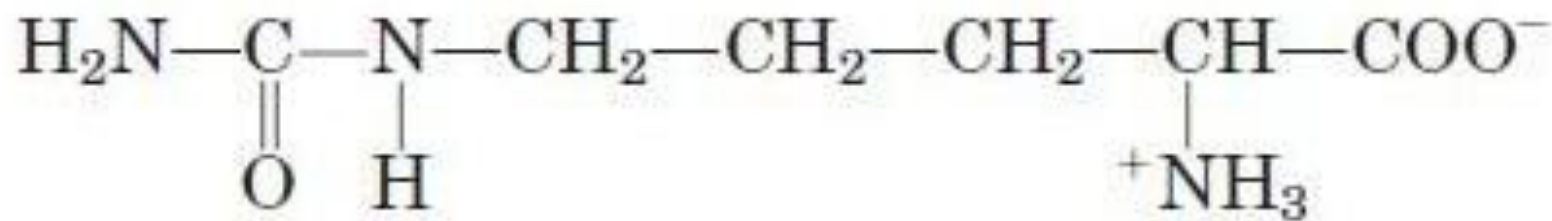


Glutamate

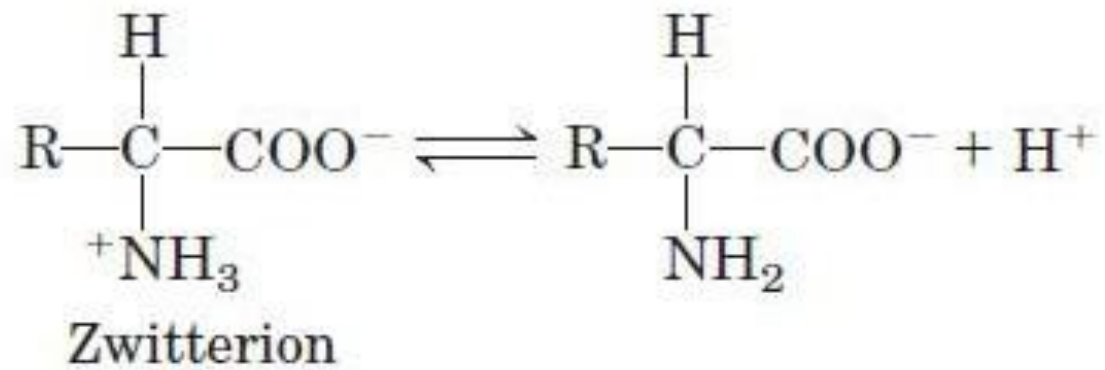




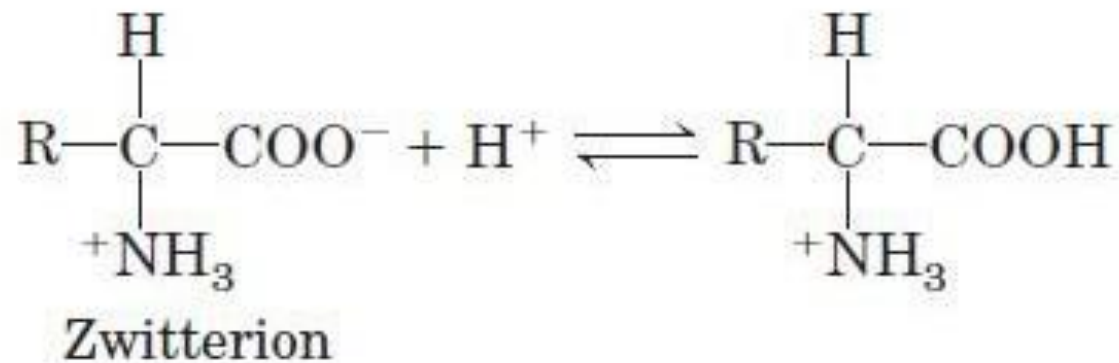
Ornithine

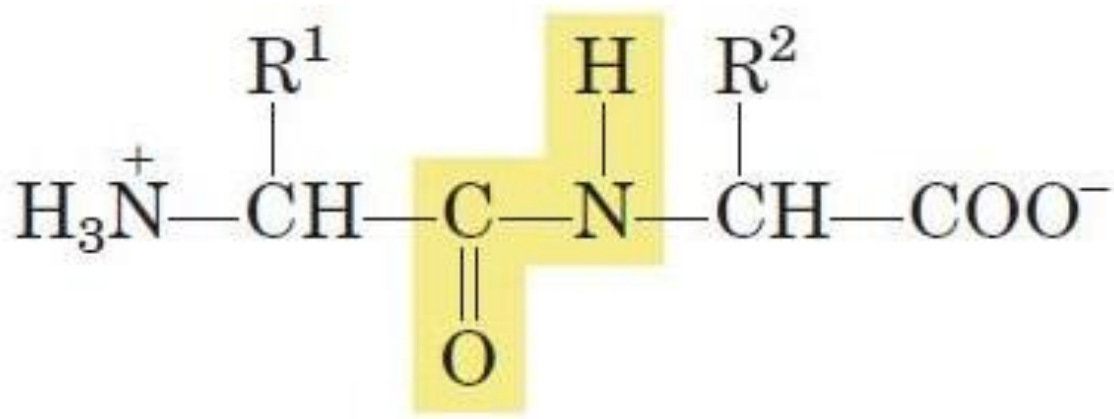
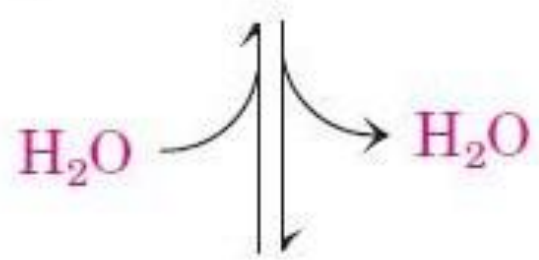
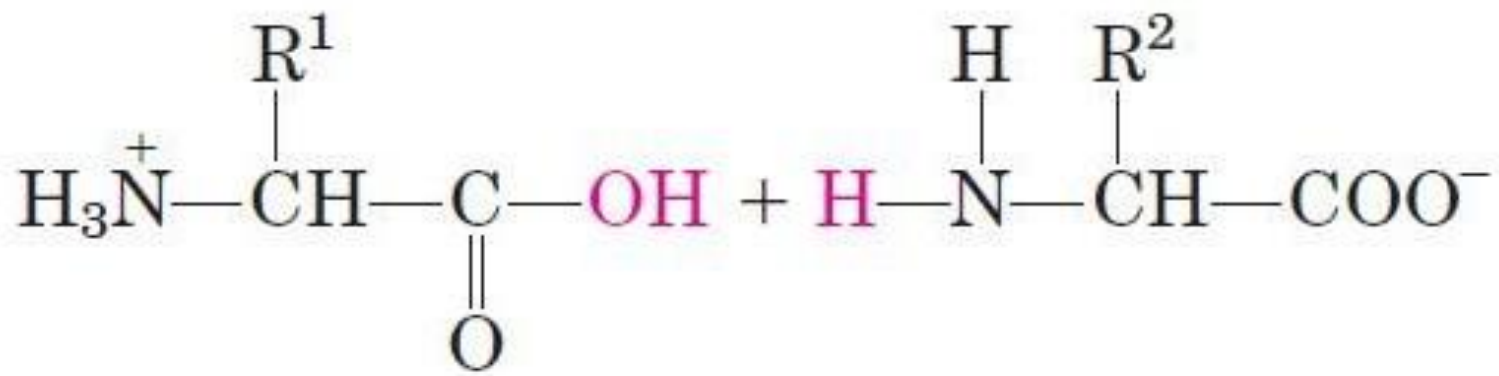


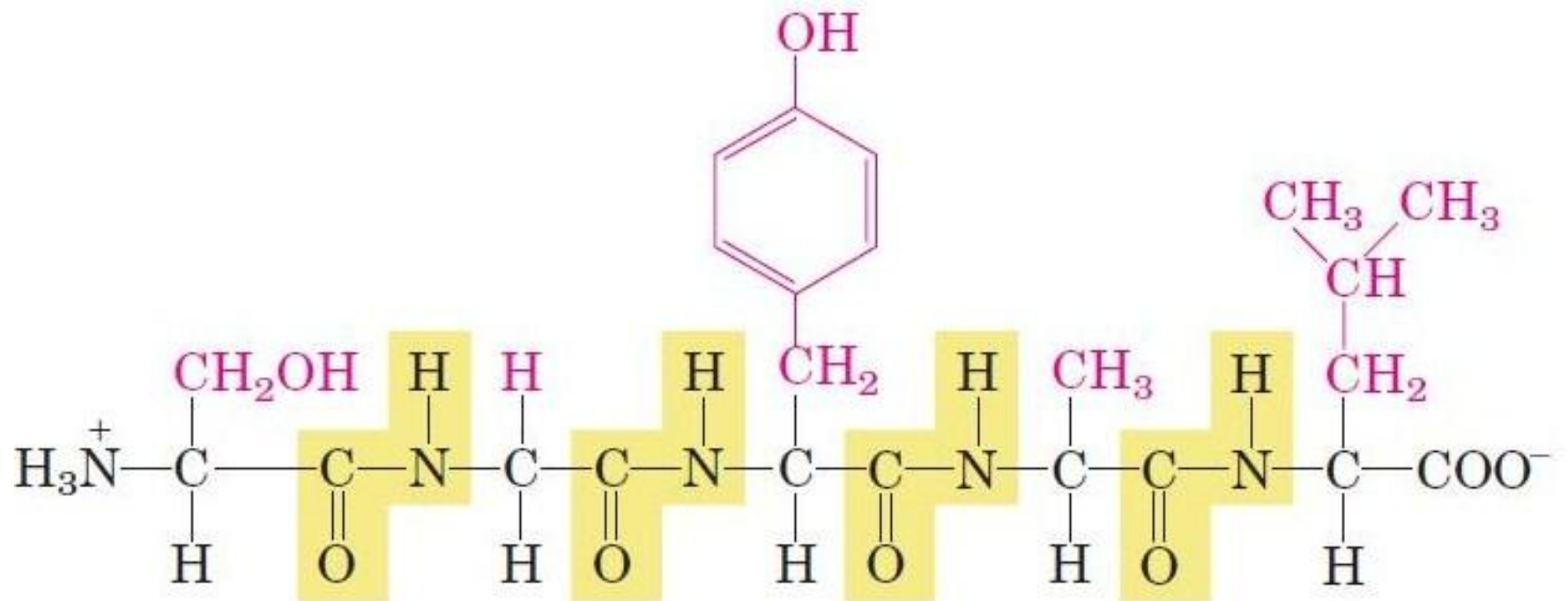
Citrulline



or a base (proton acceptor):

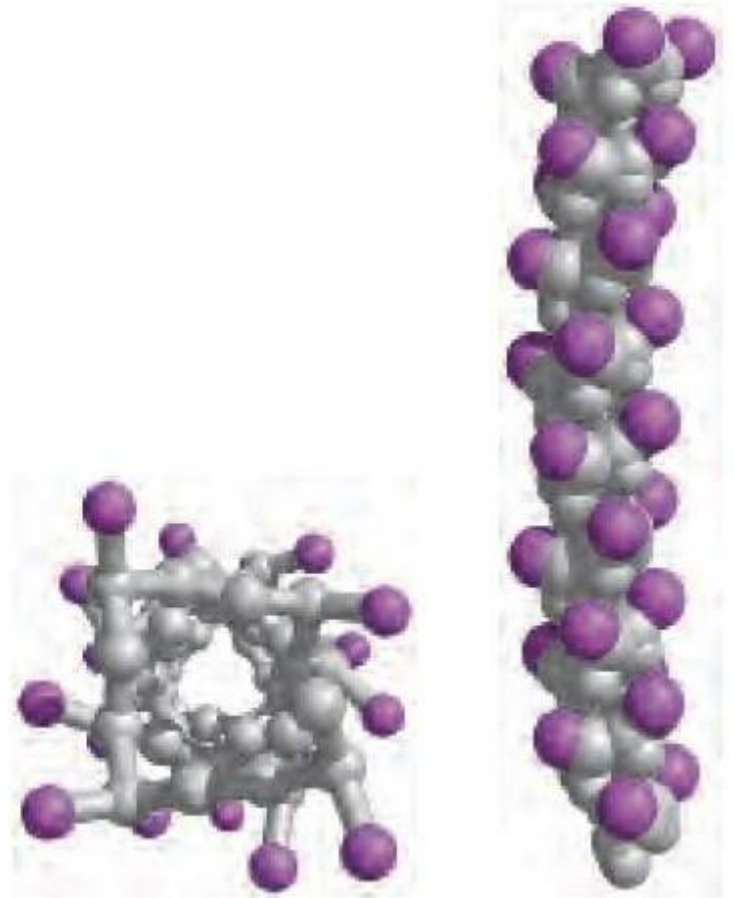
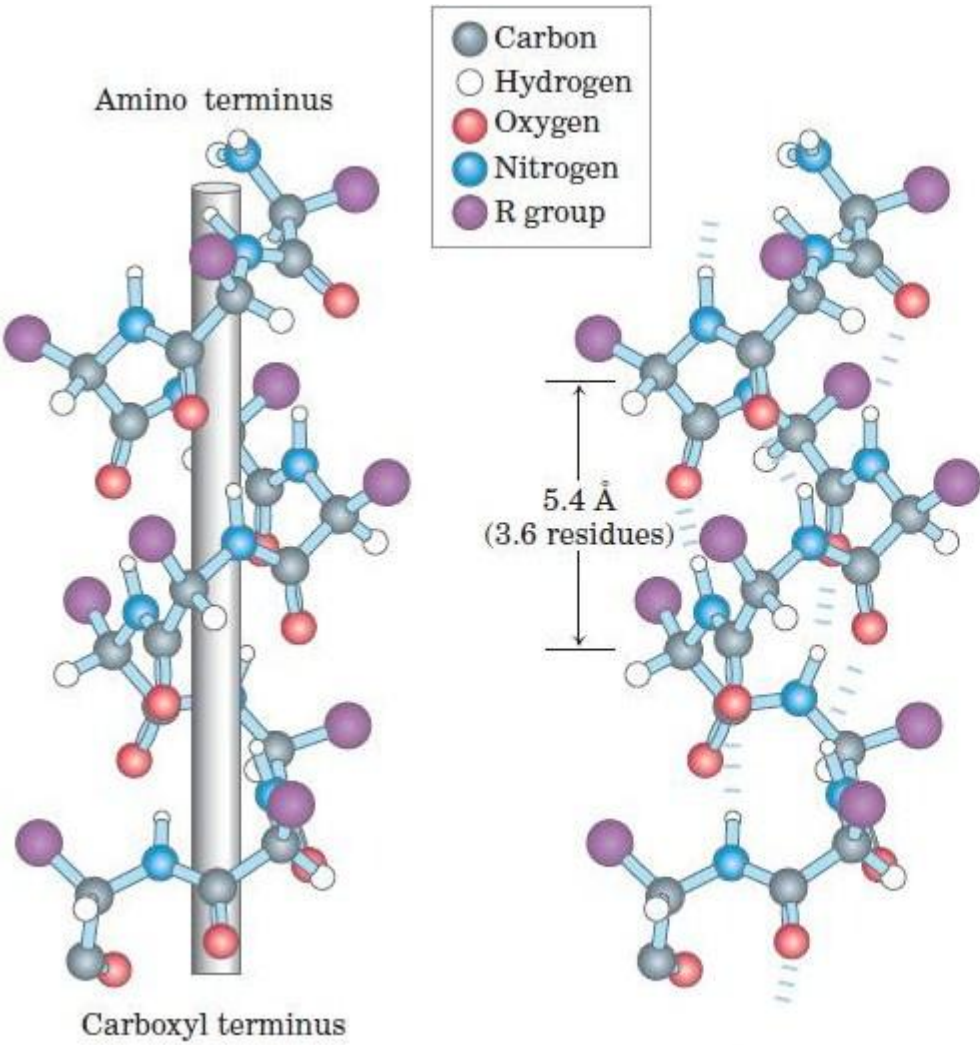


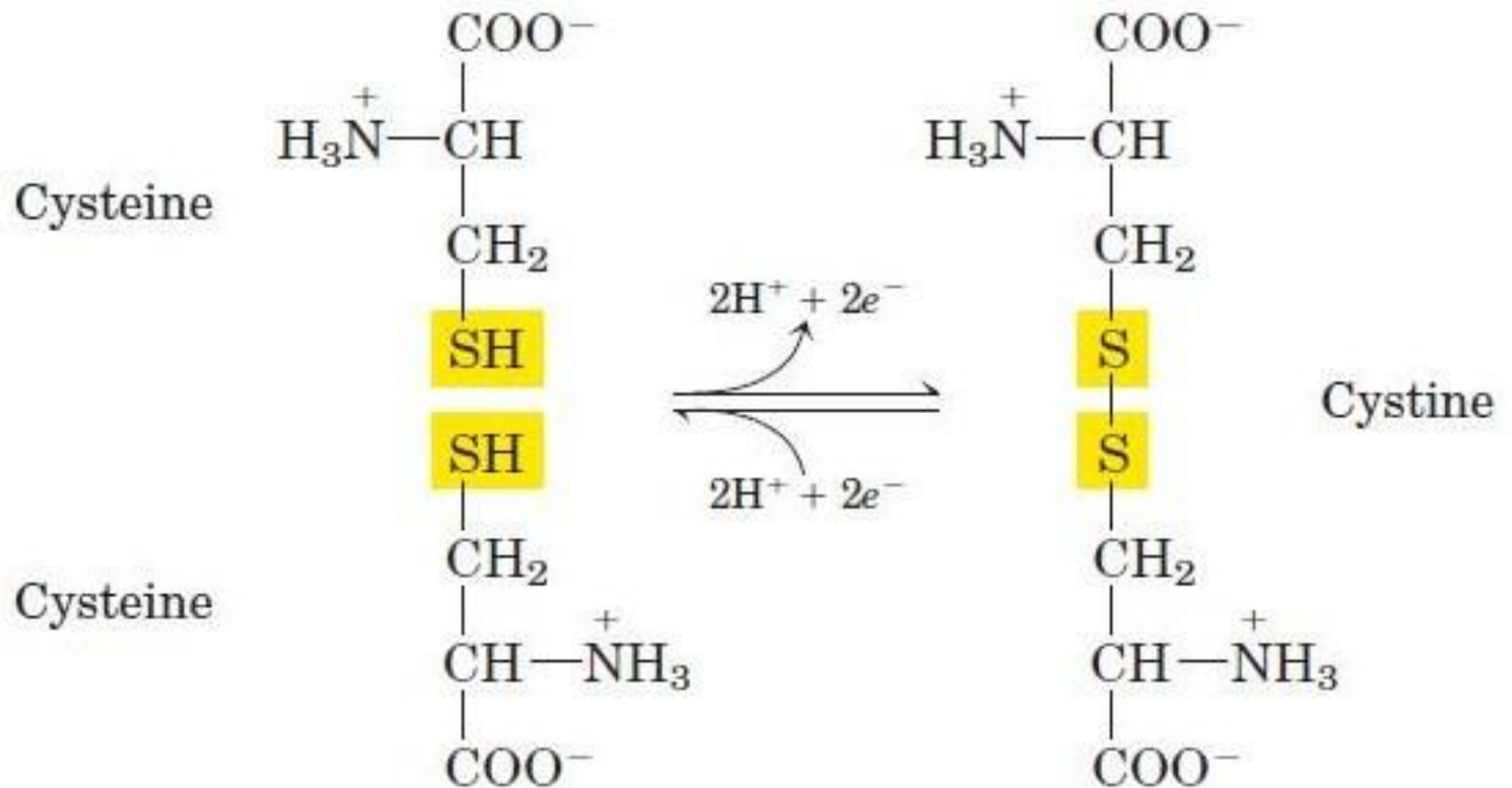




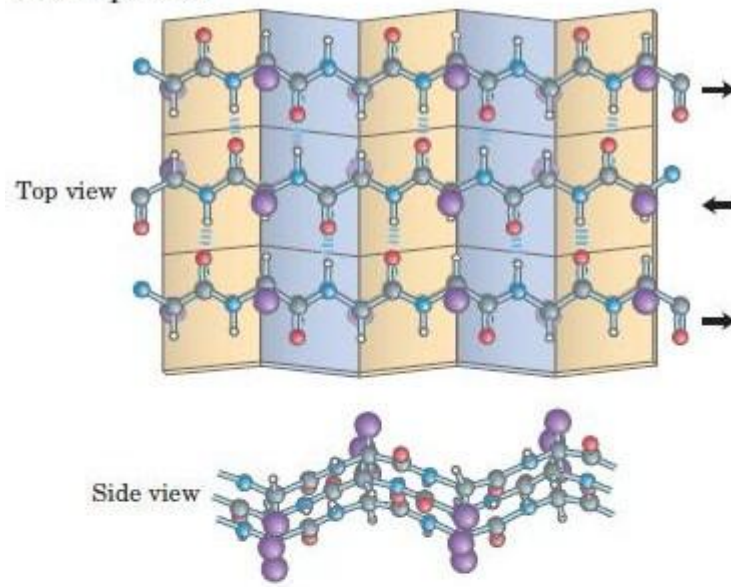
Amino-terminal end

Carboxyl-terminal end



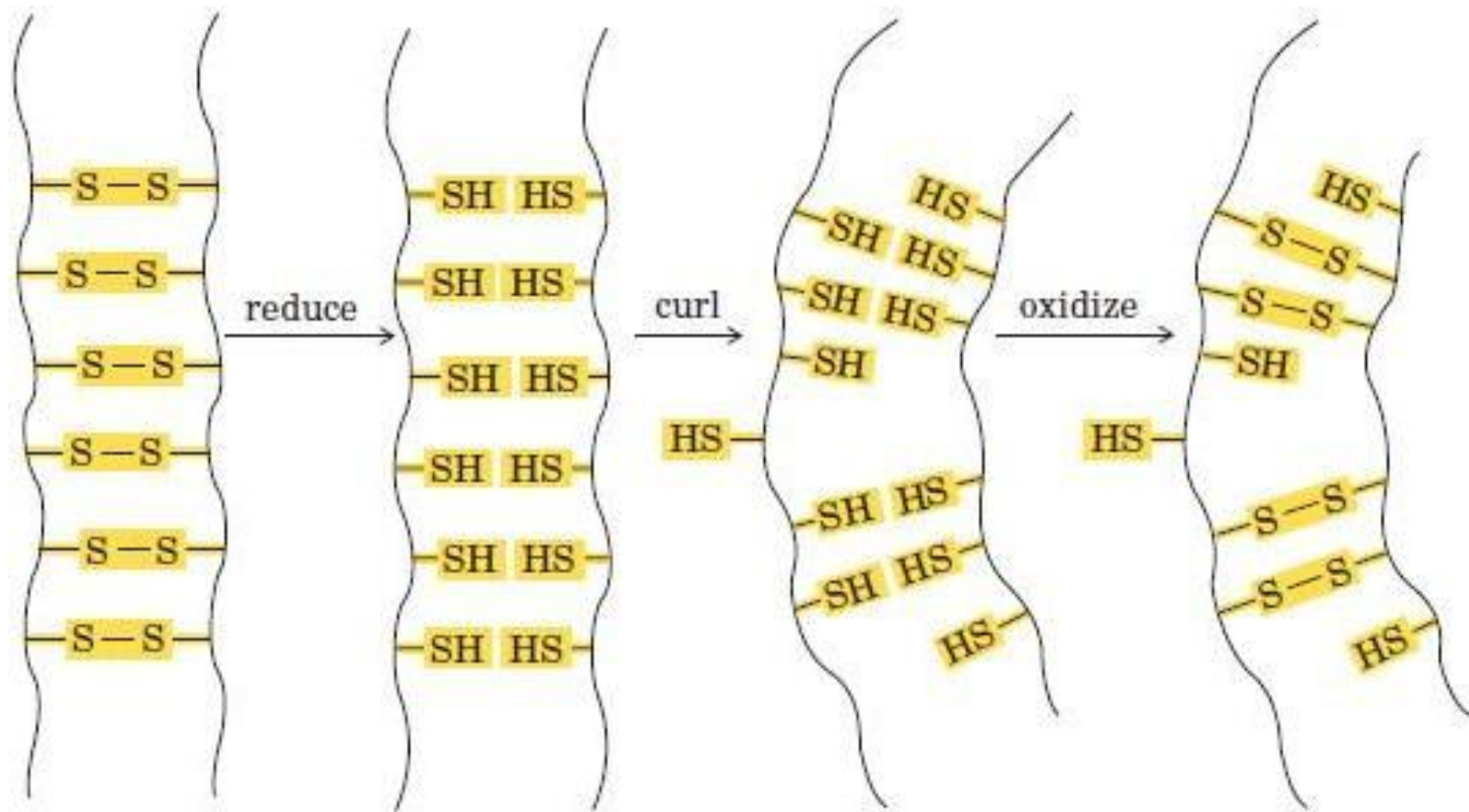


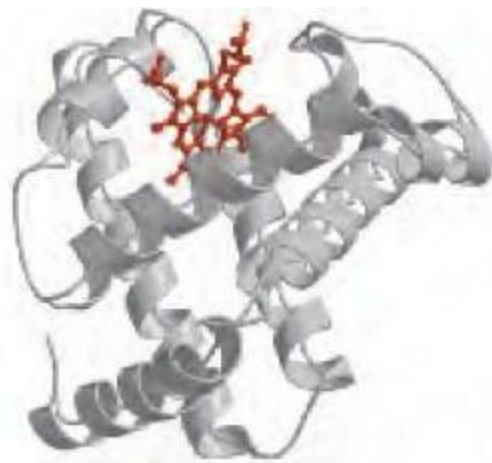
(a) Antiparallel



(b) Parallel



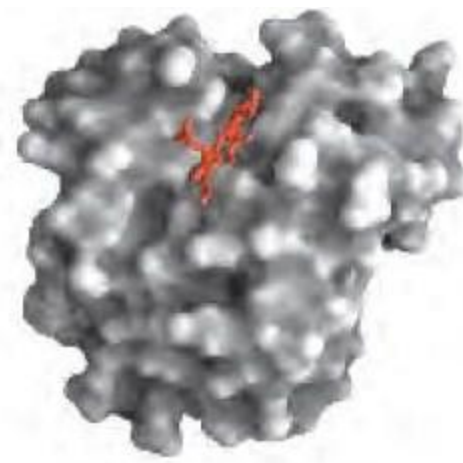




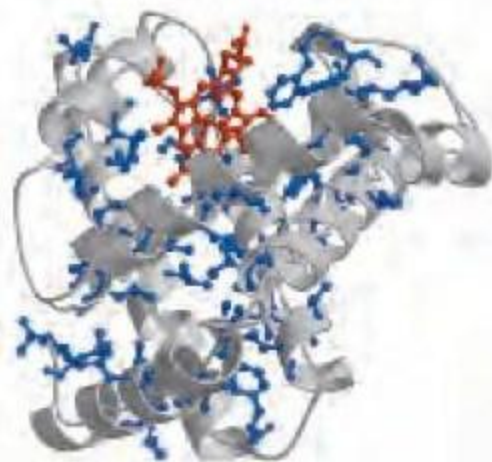
(a)



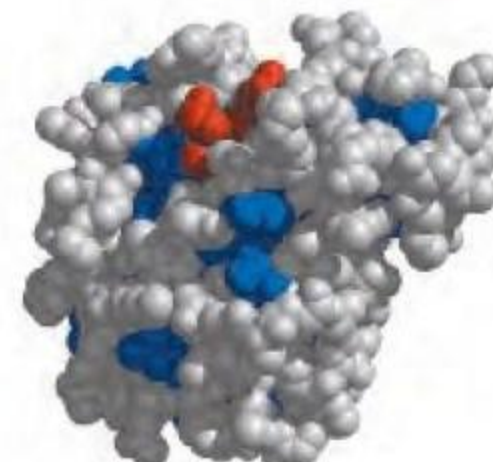
(b)



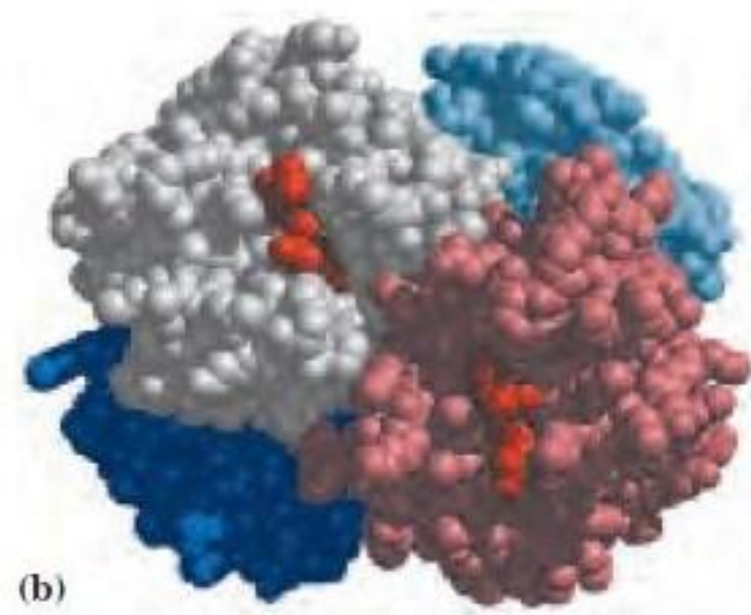
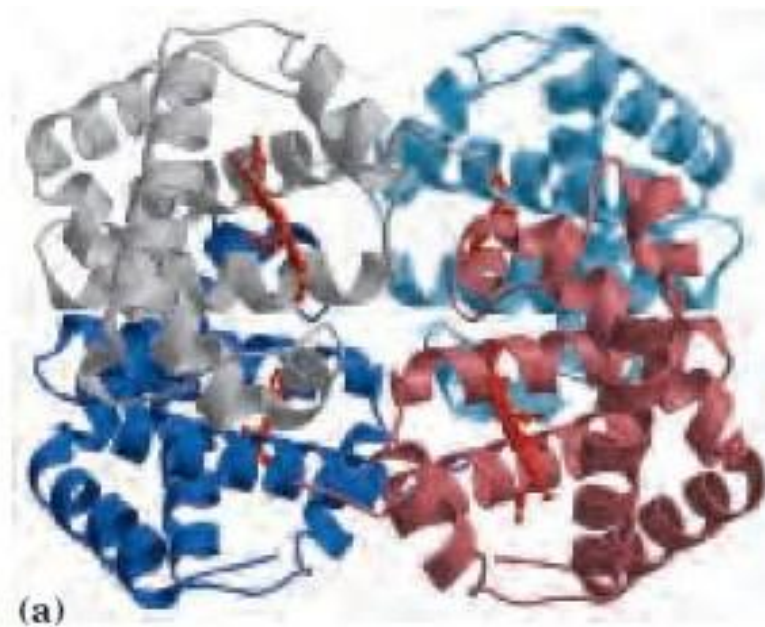
(c)

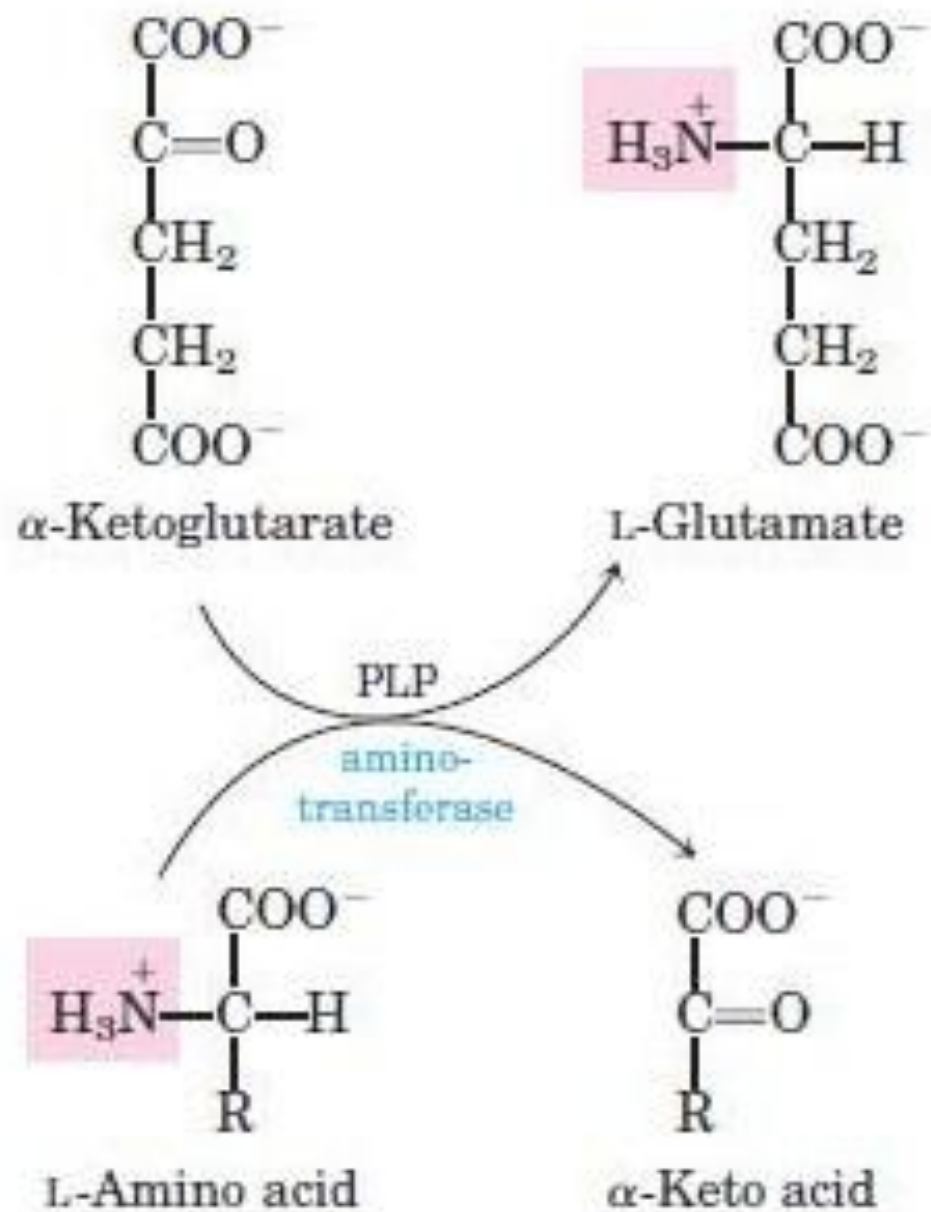


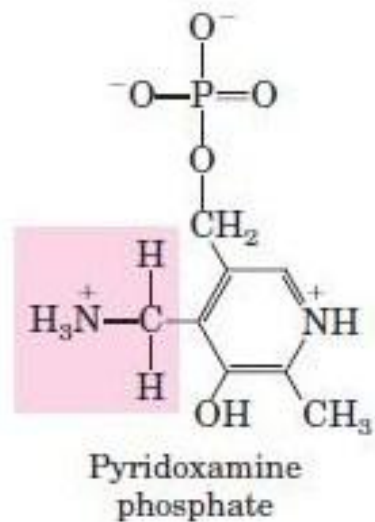
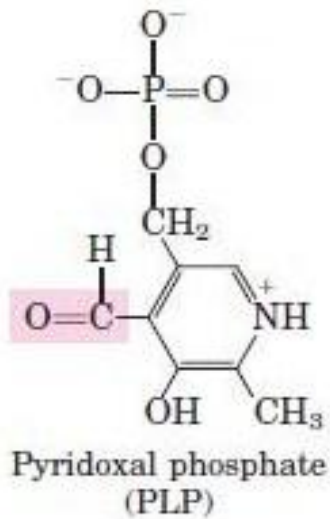
(d)



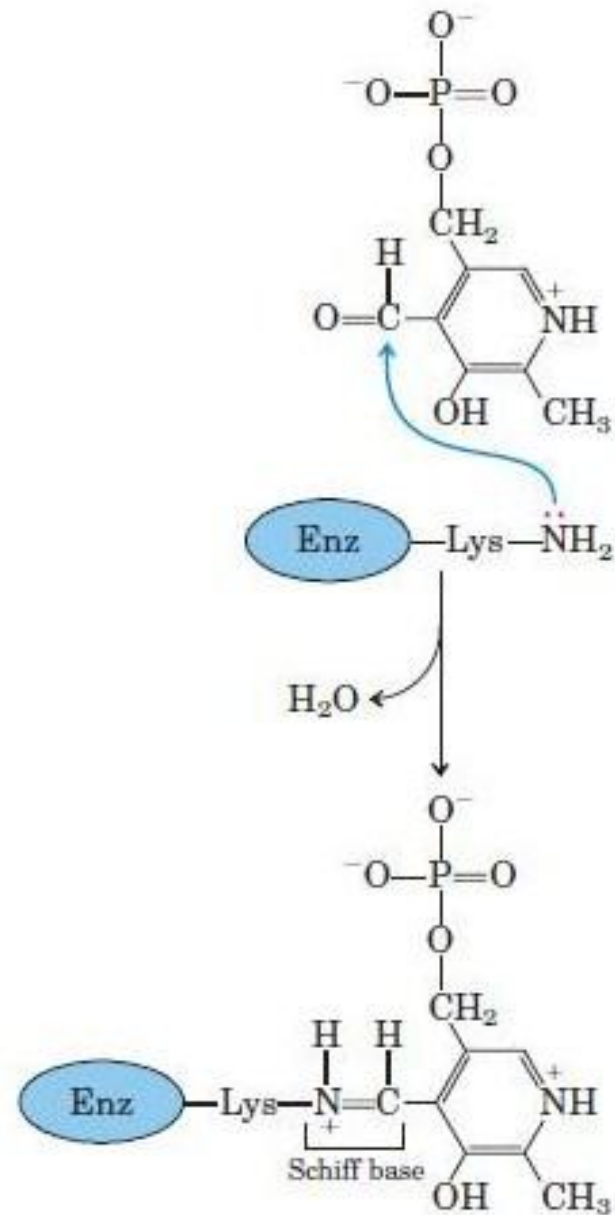
(e)

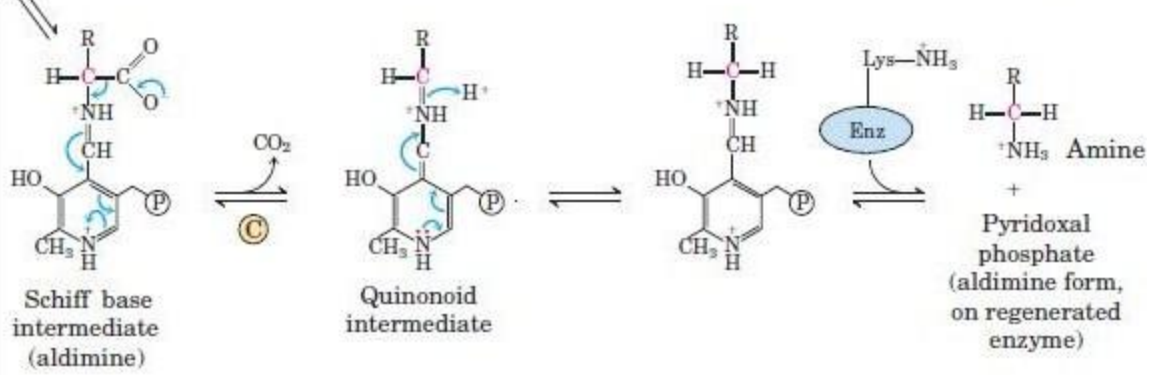
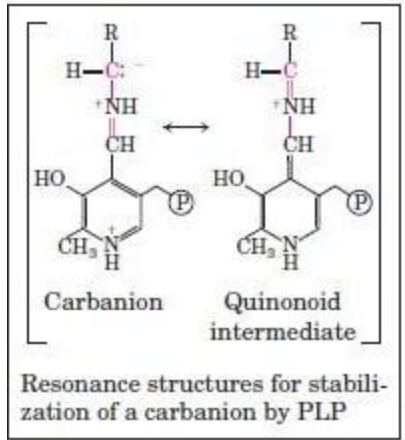
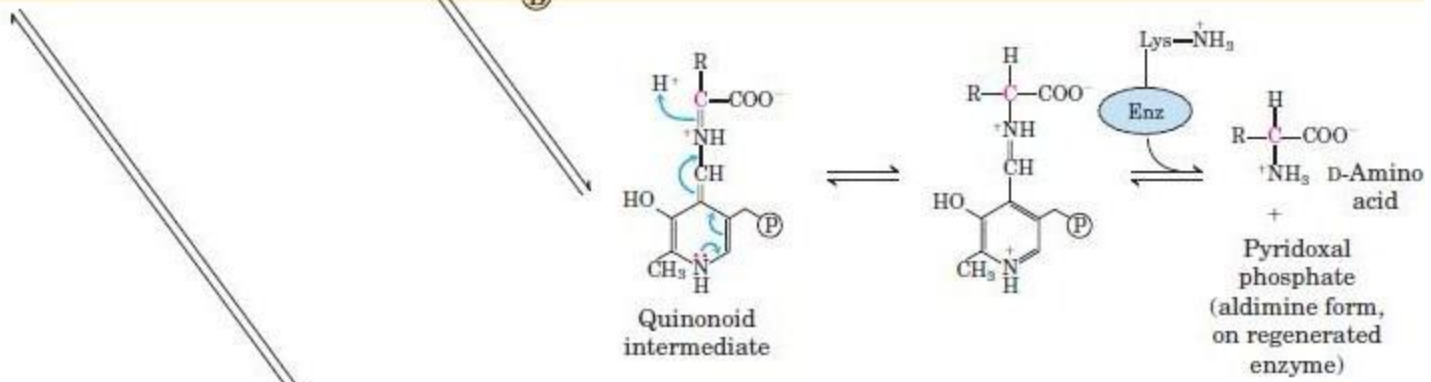
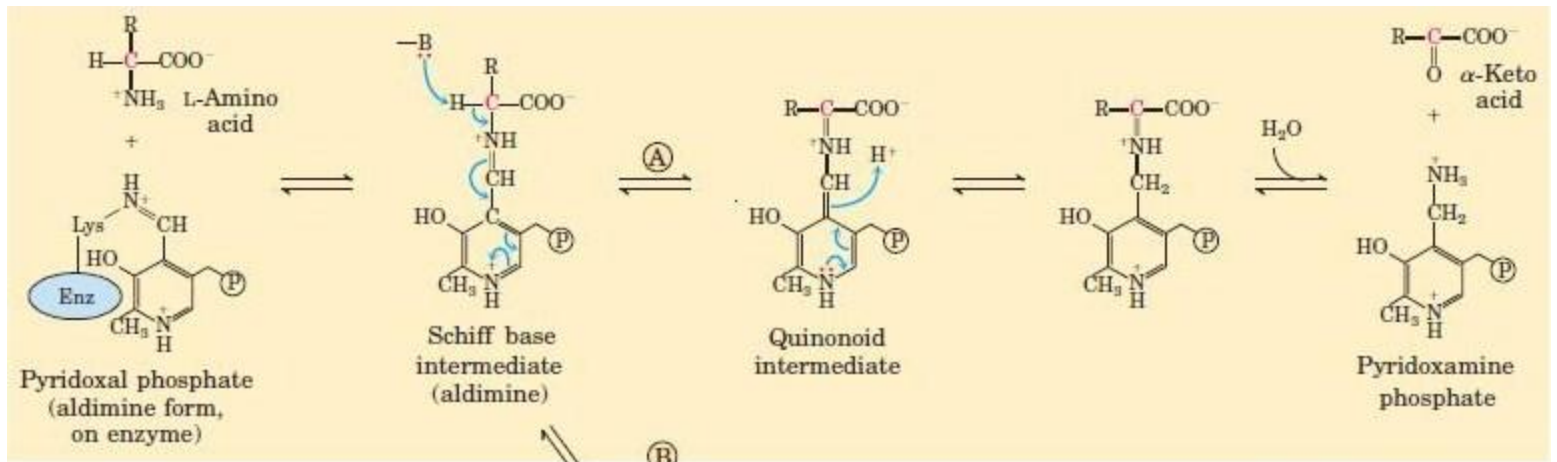


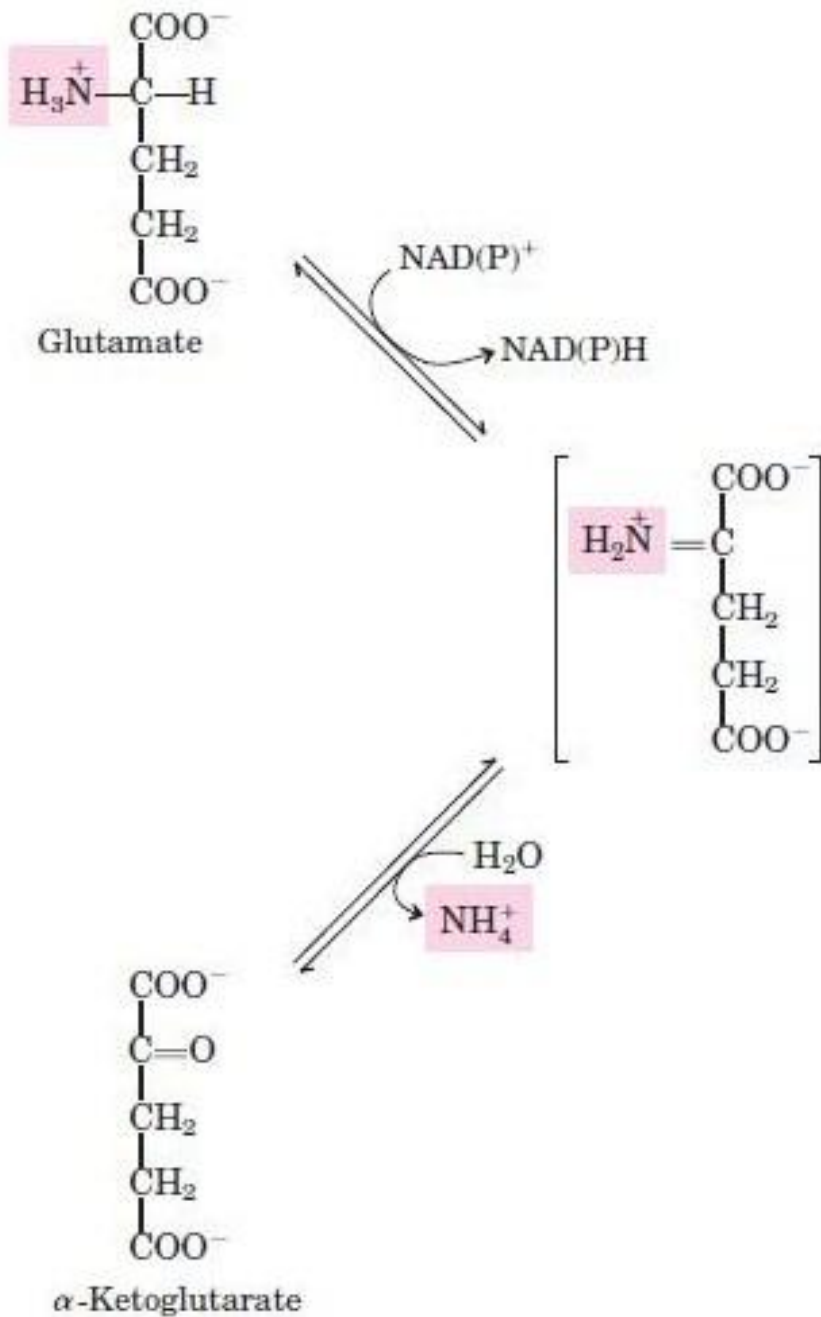


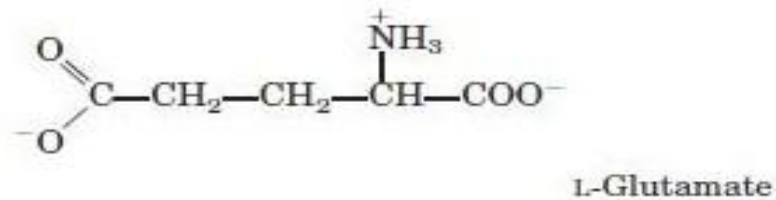
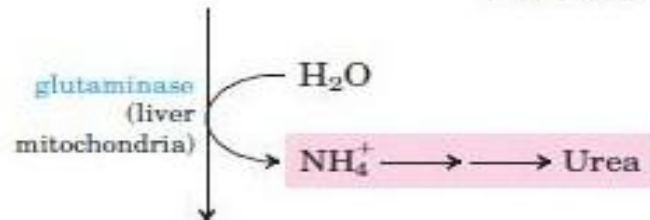
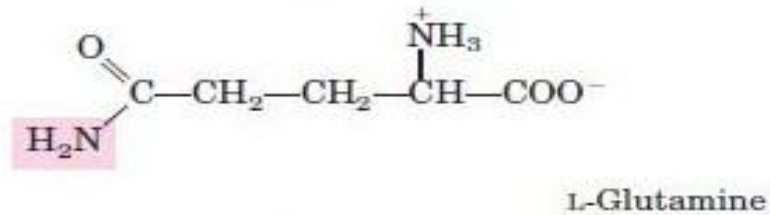
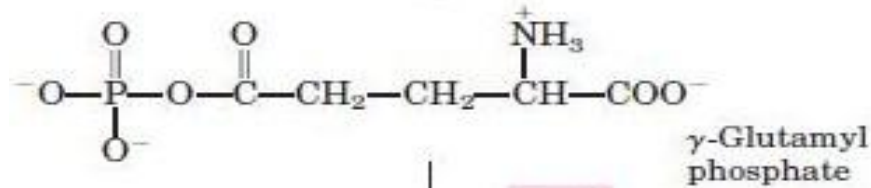
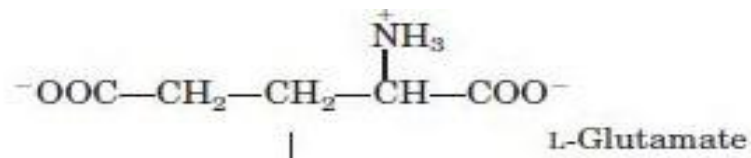


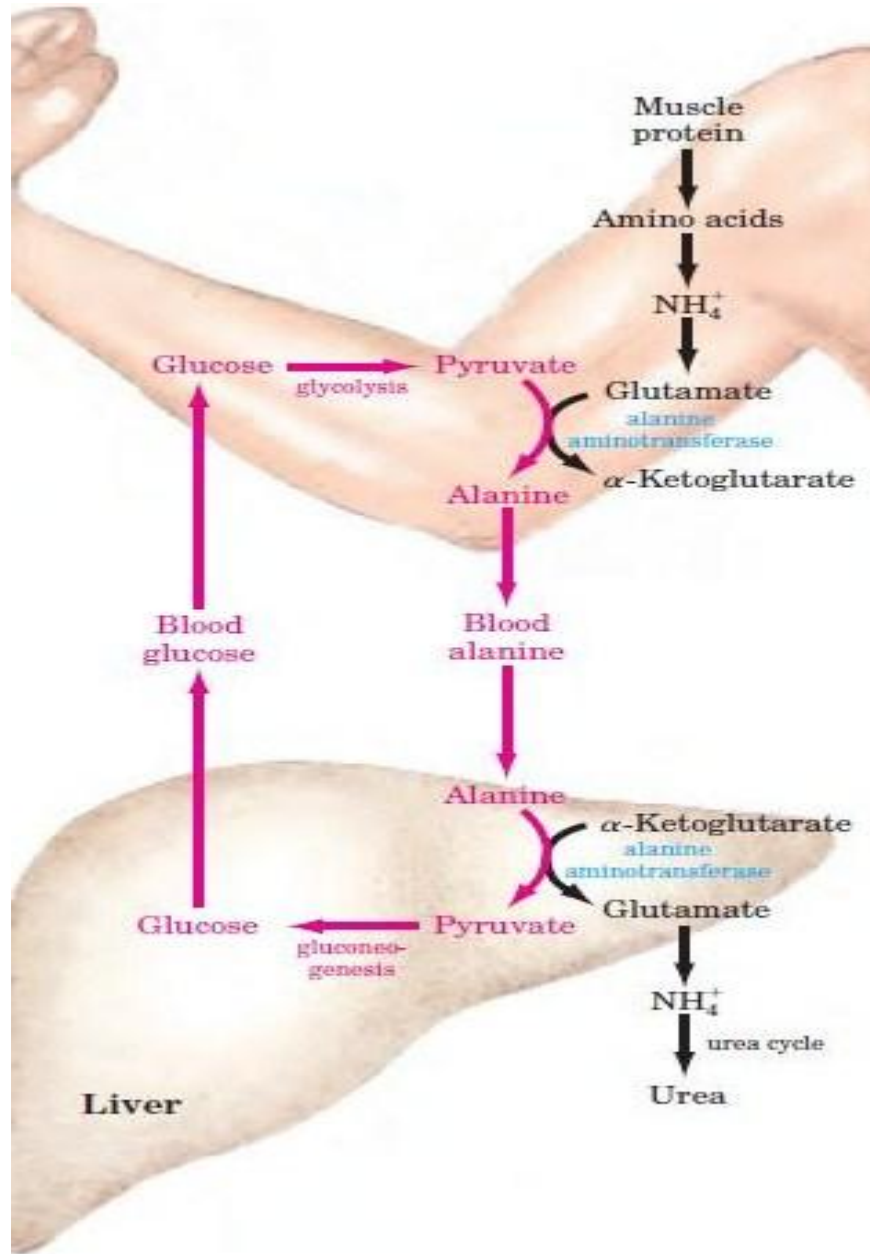
(a)

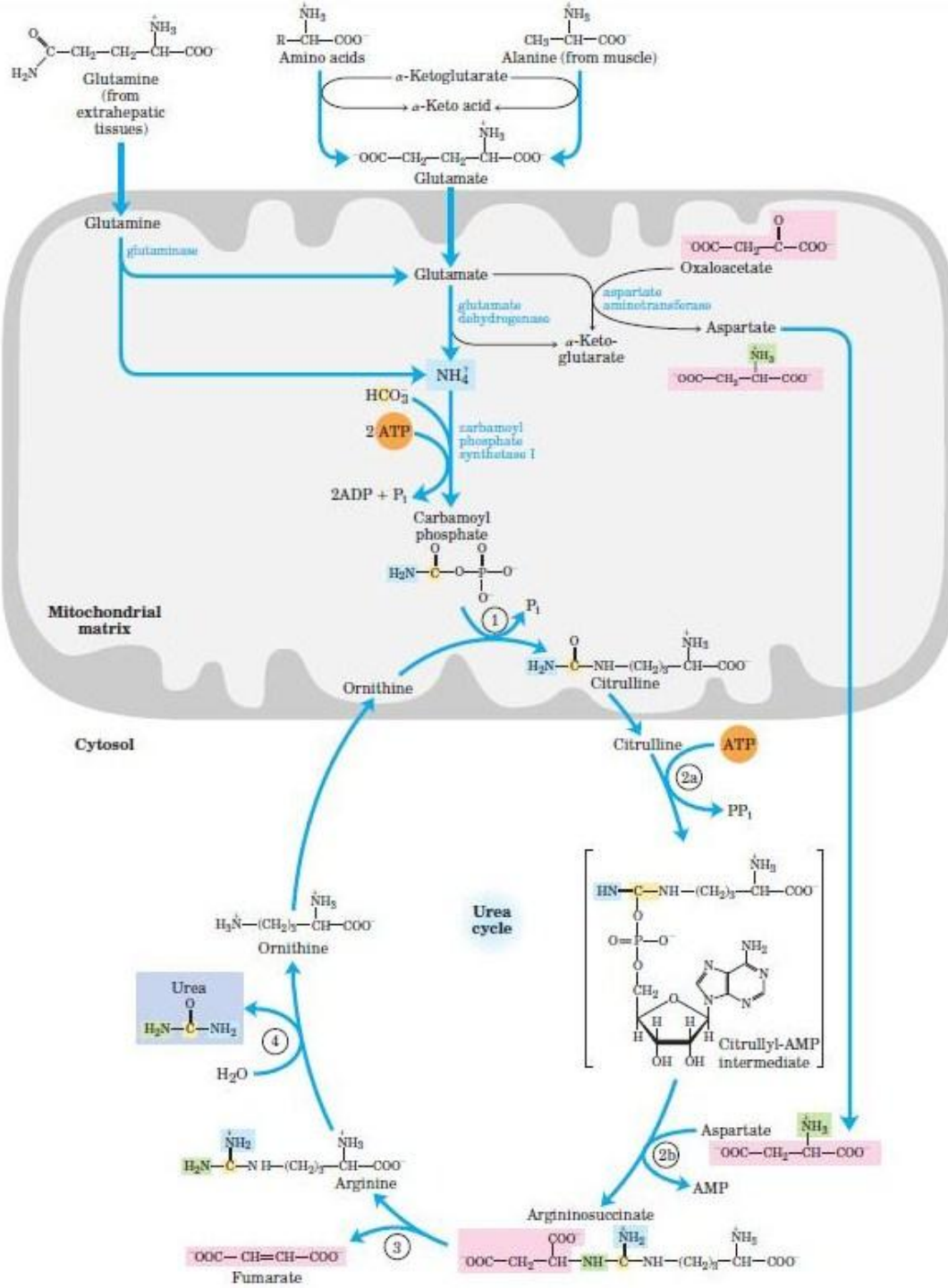


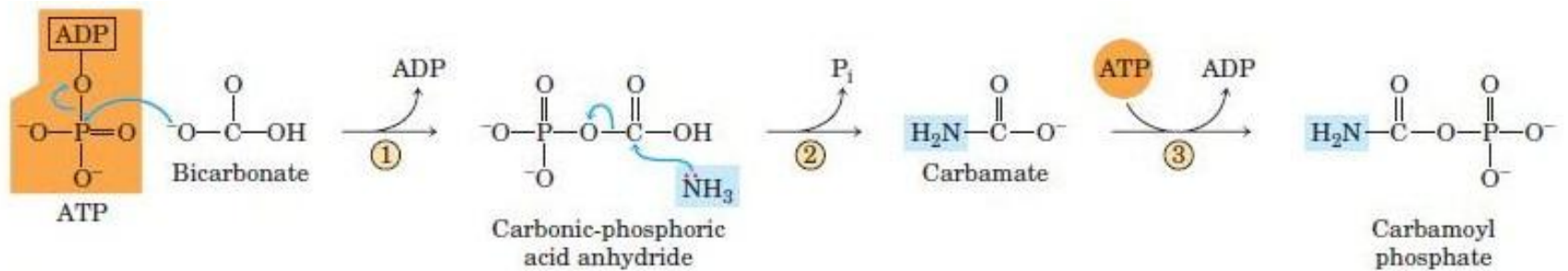




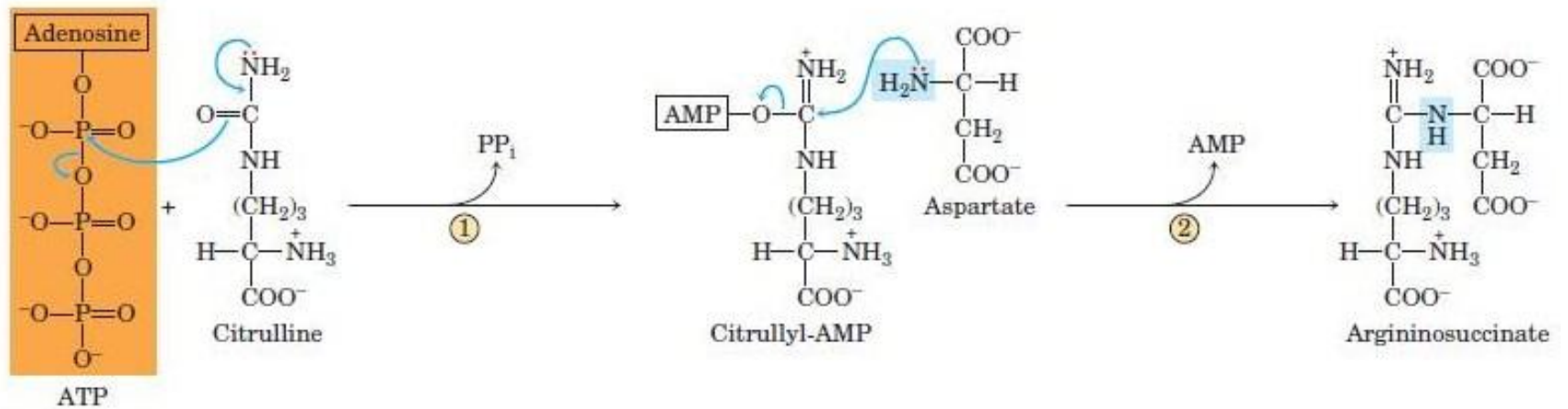




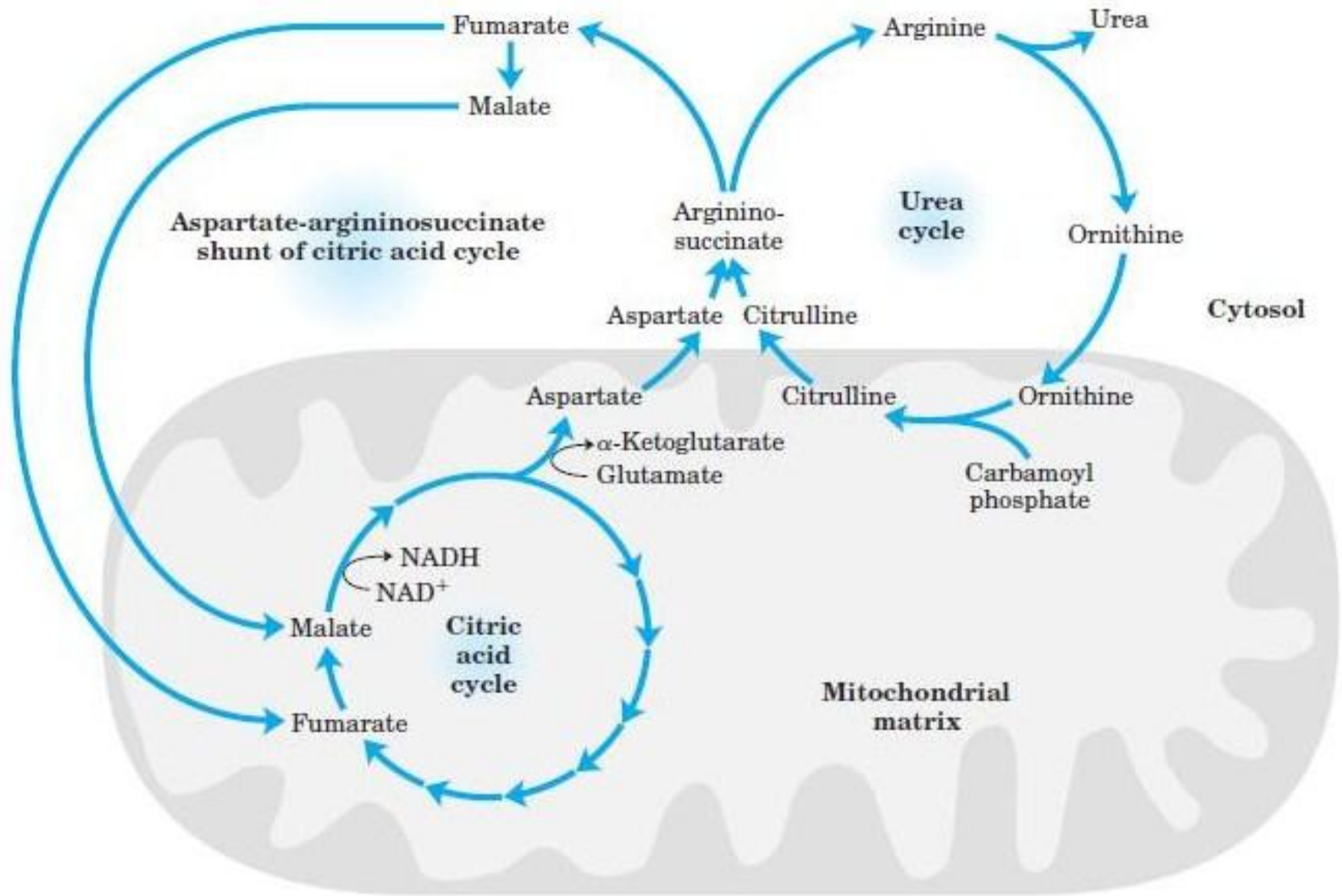


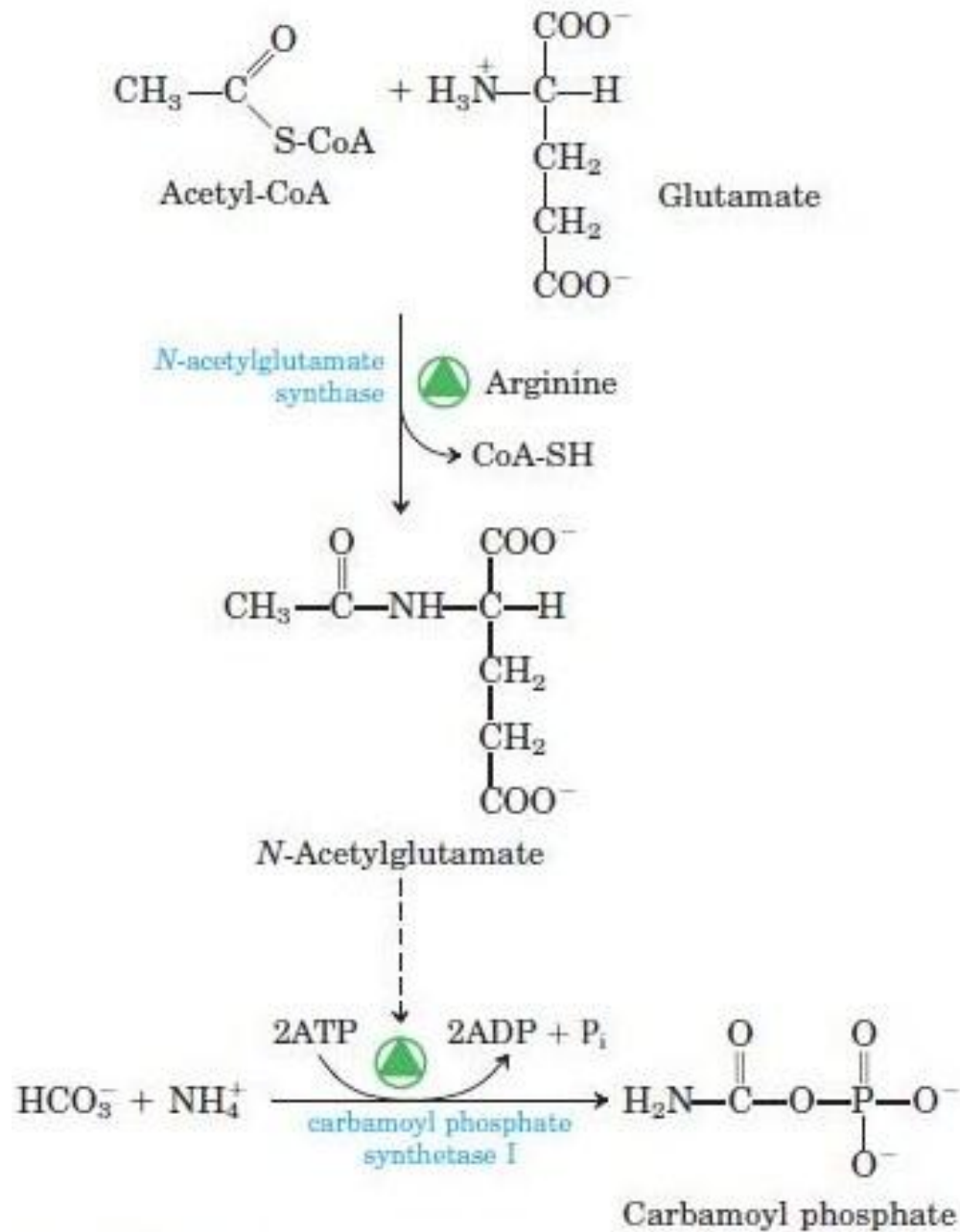


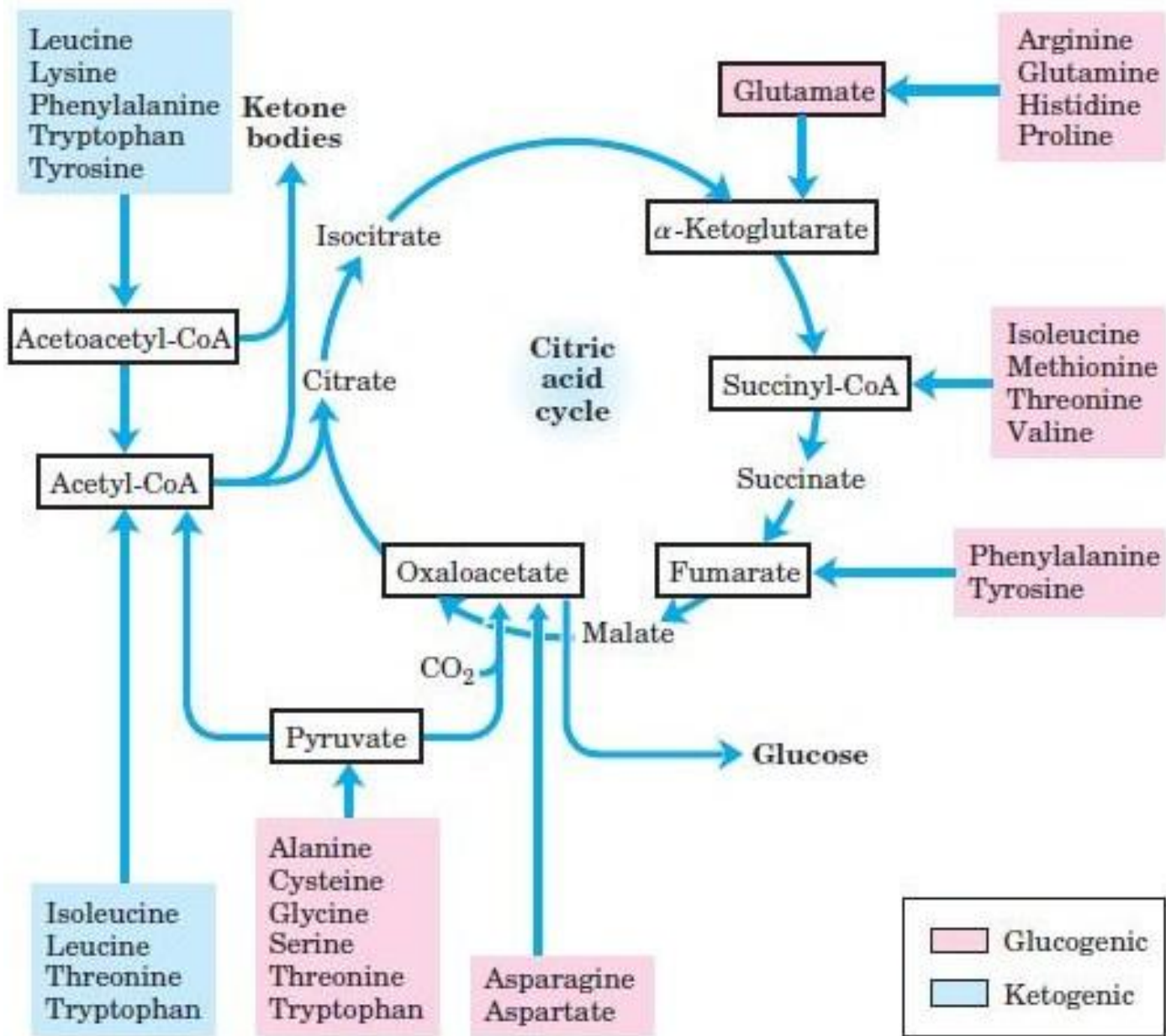
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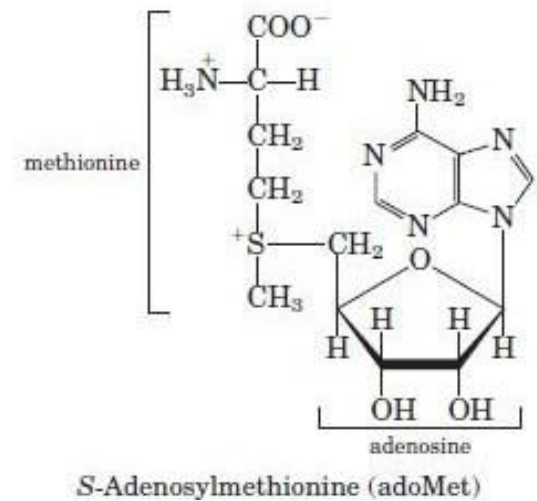
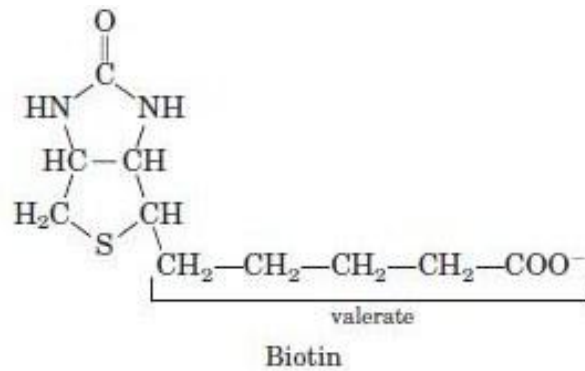
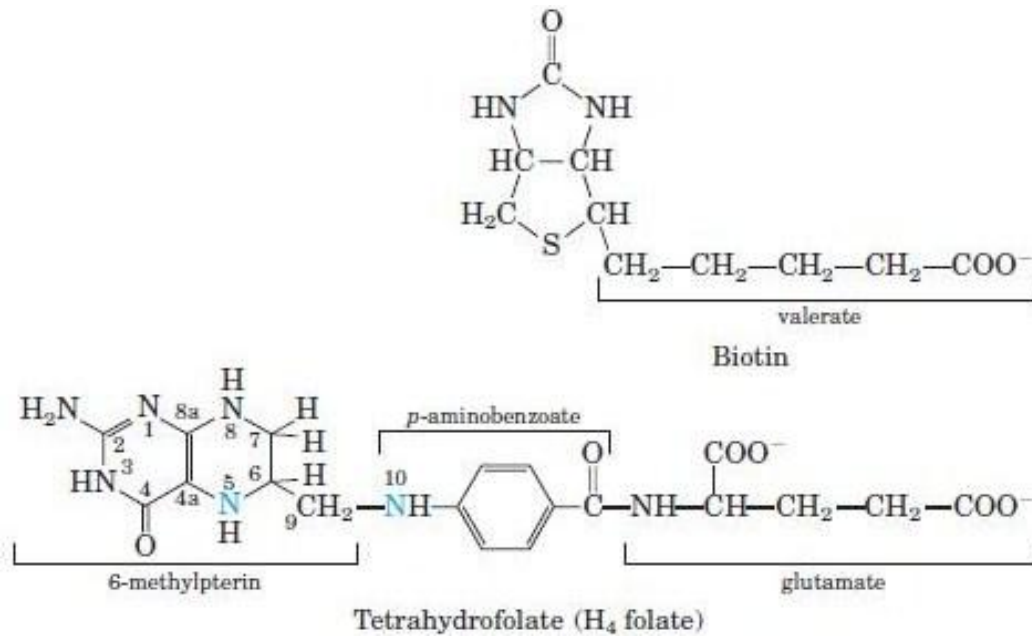


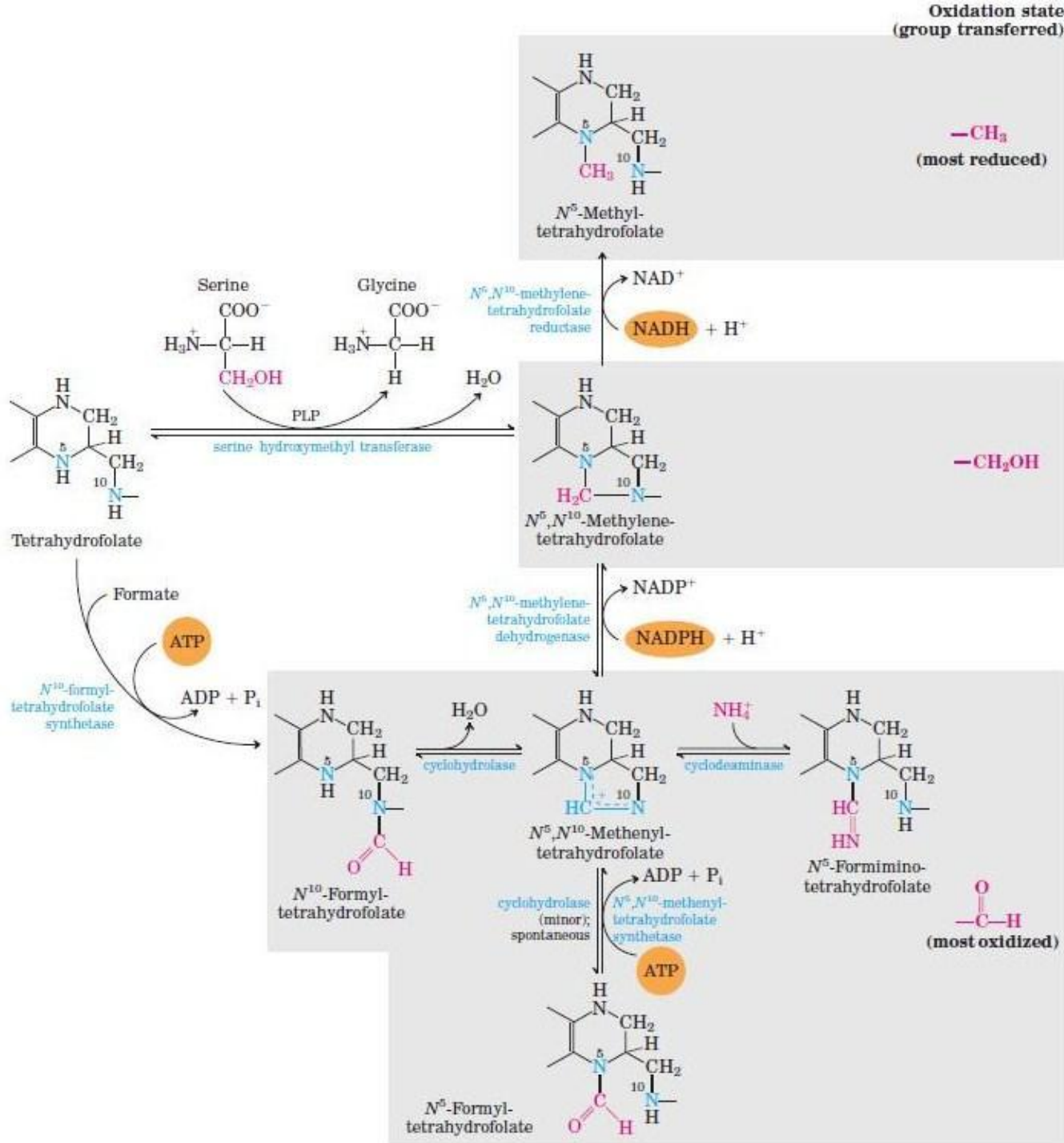
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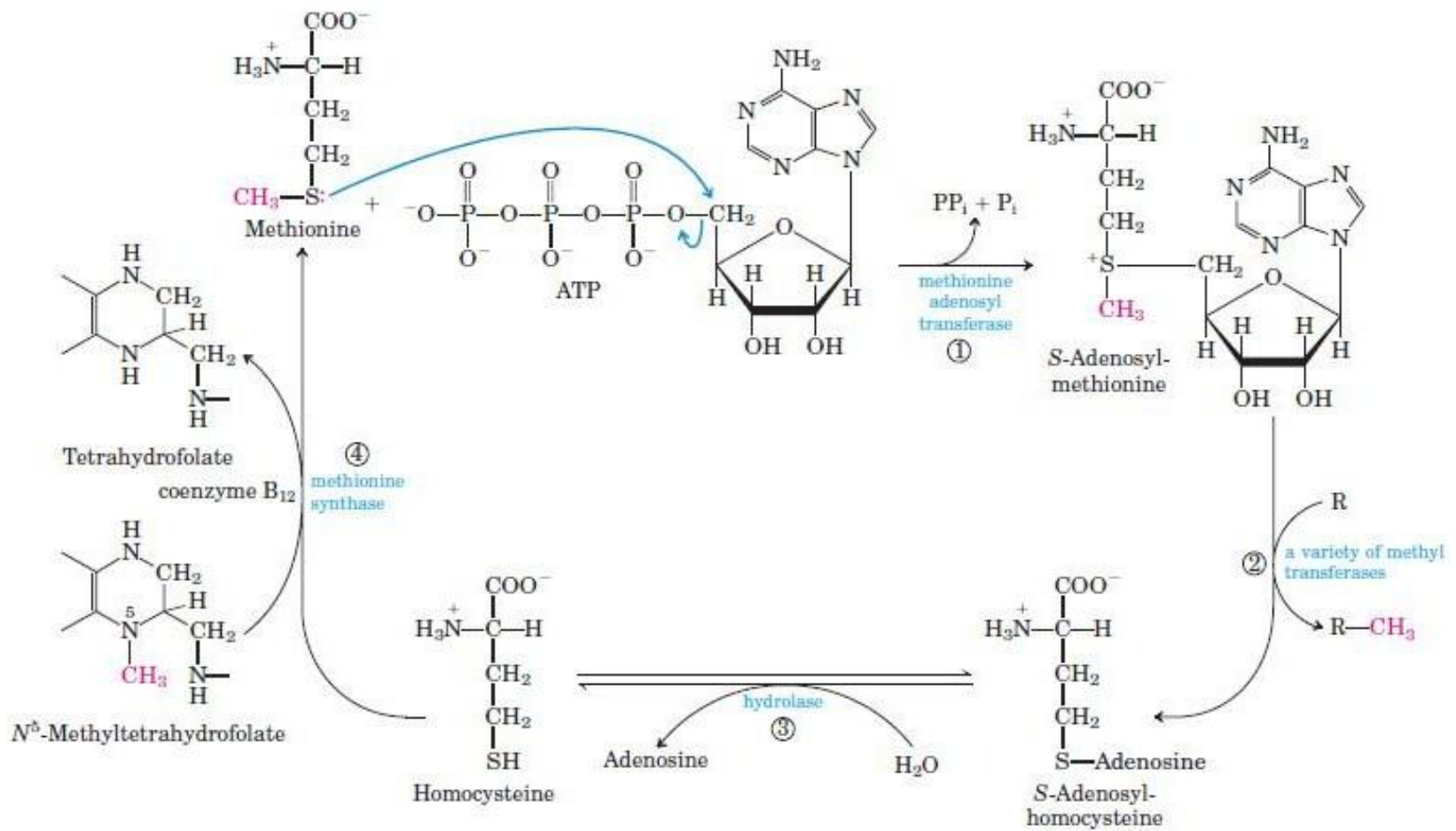


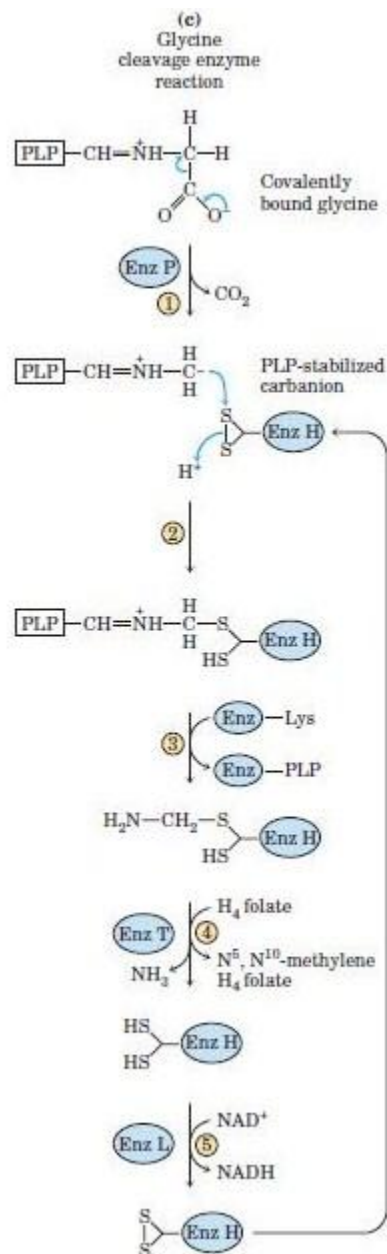
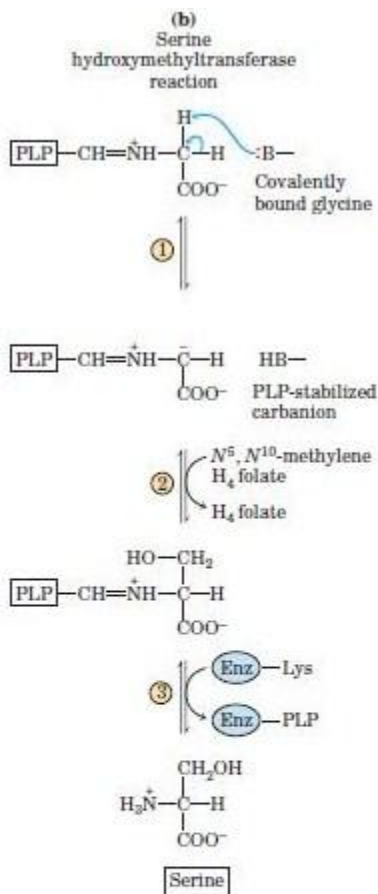
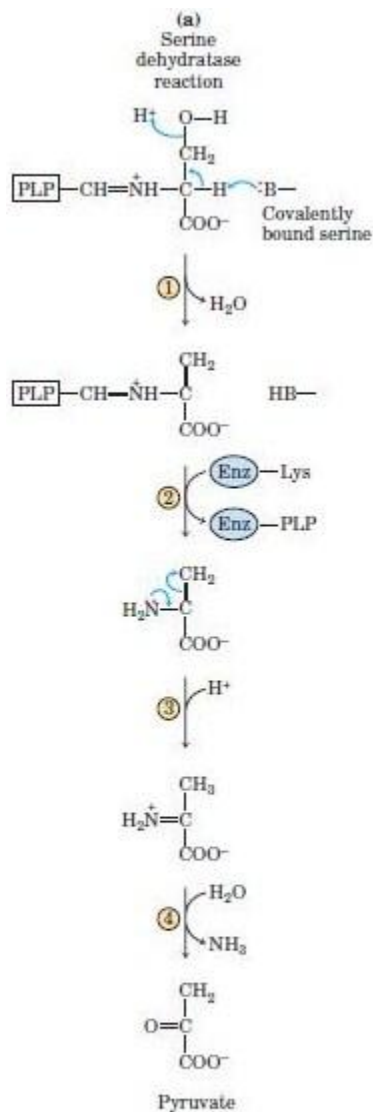


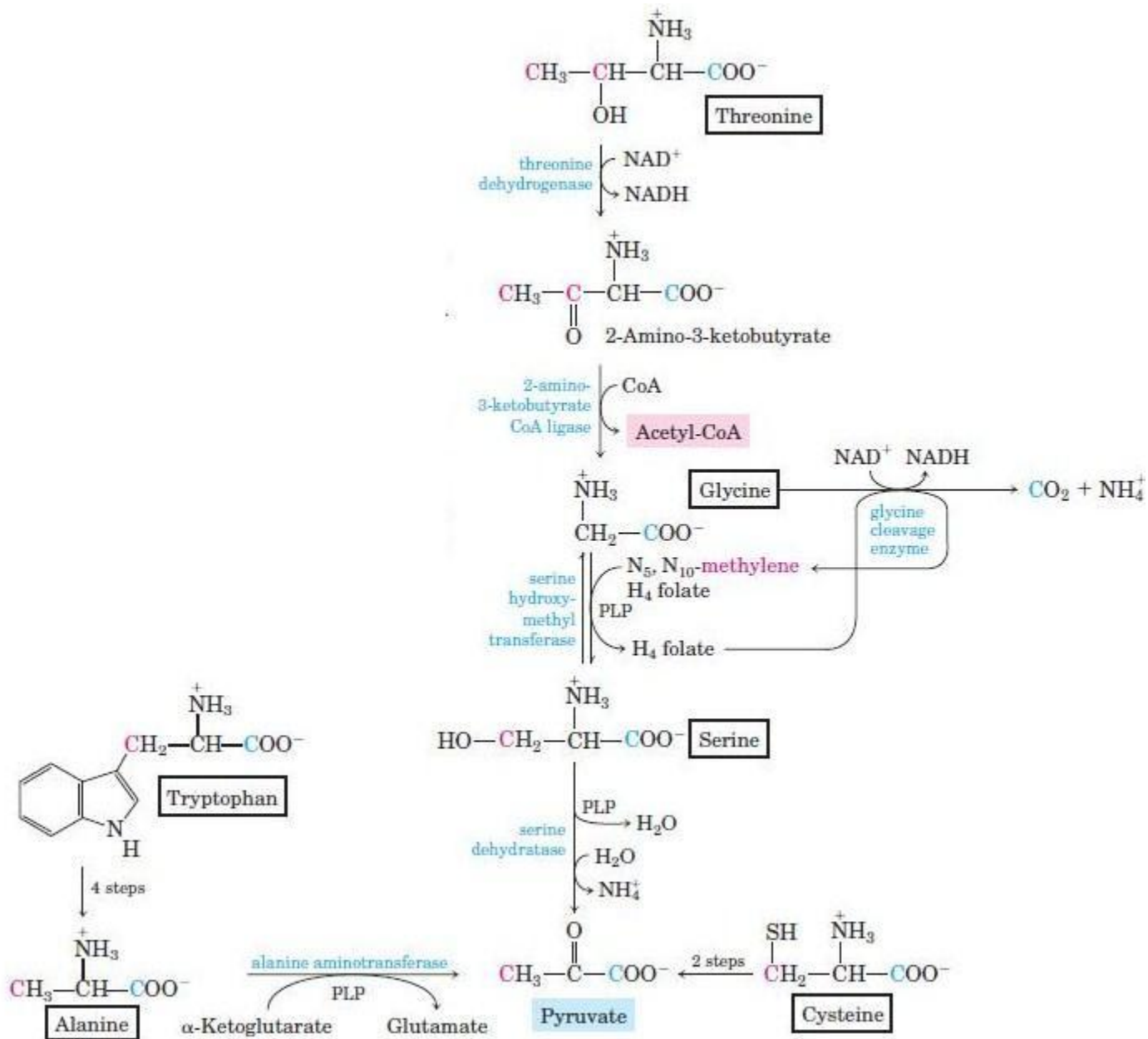


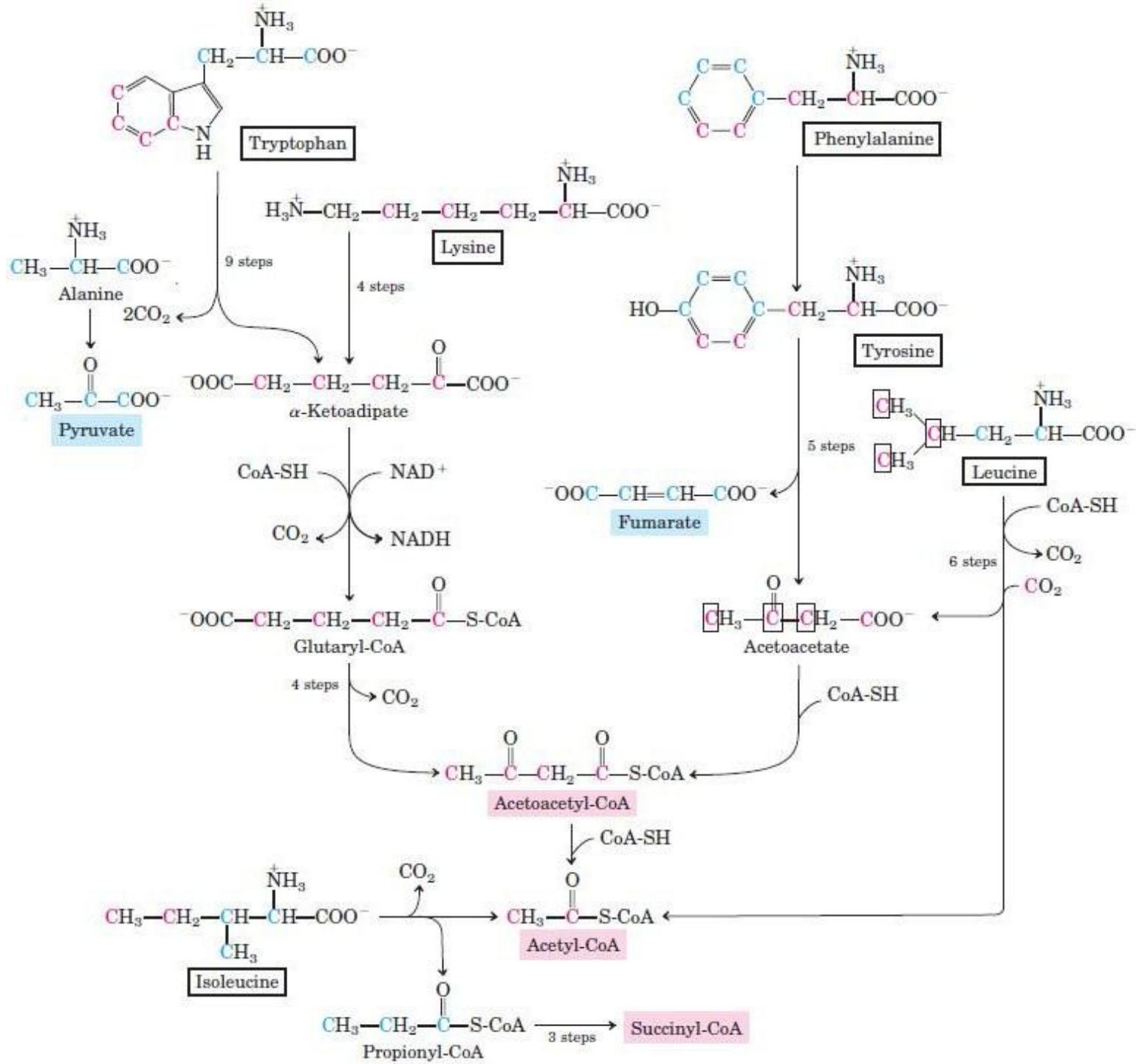


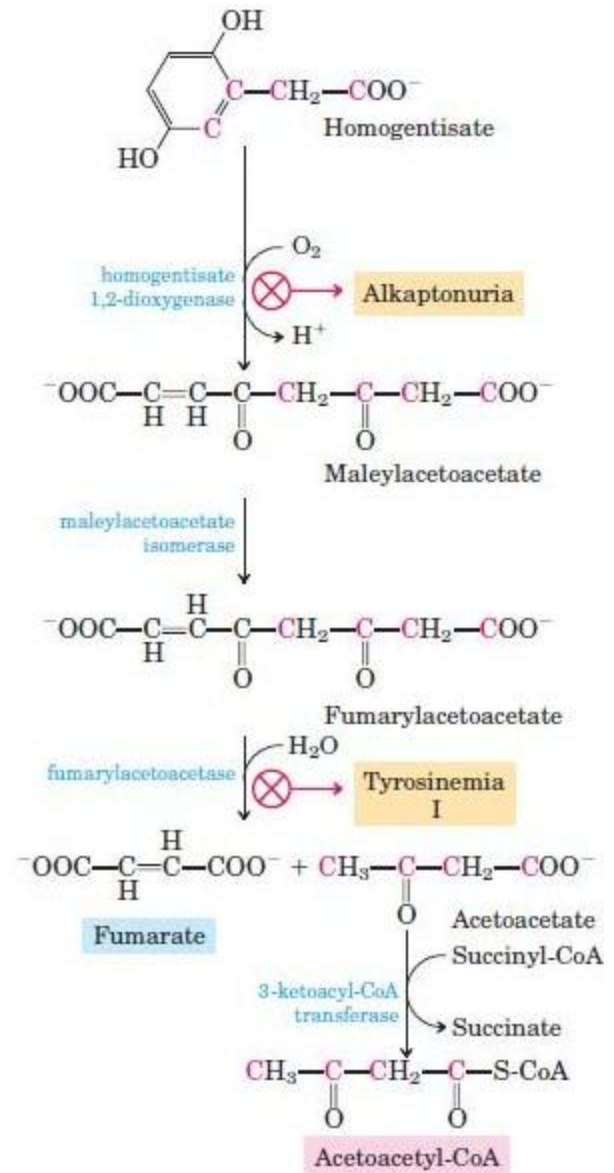
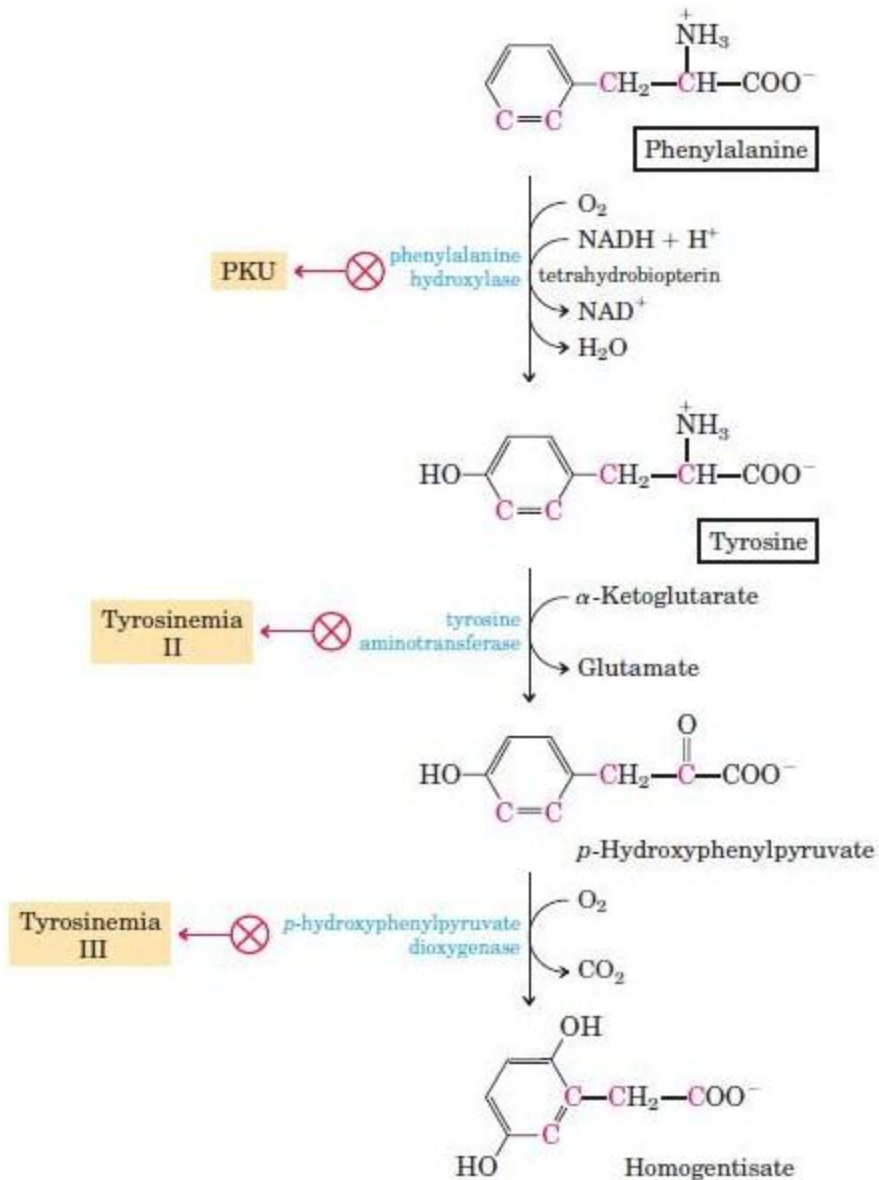


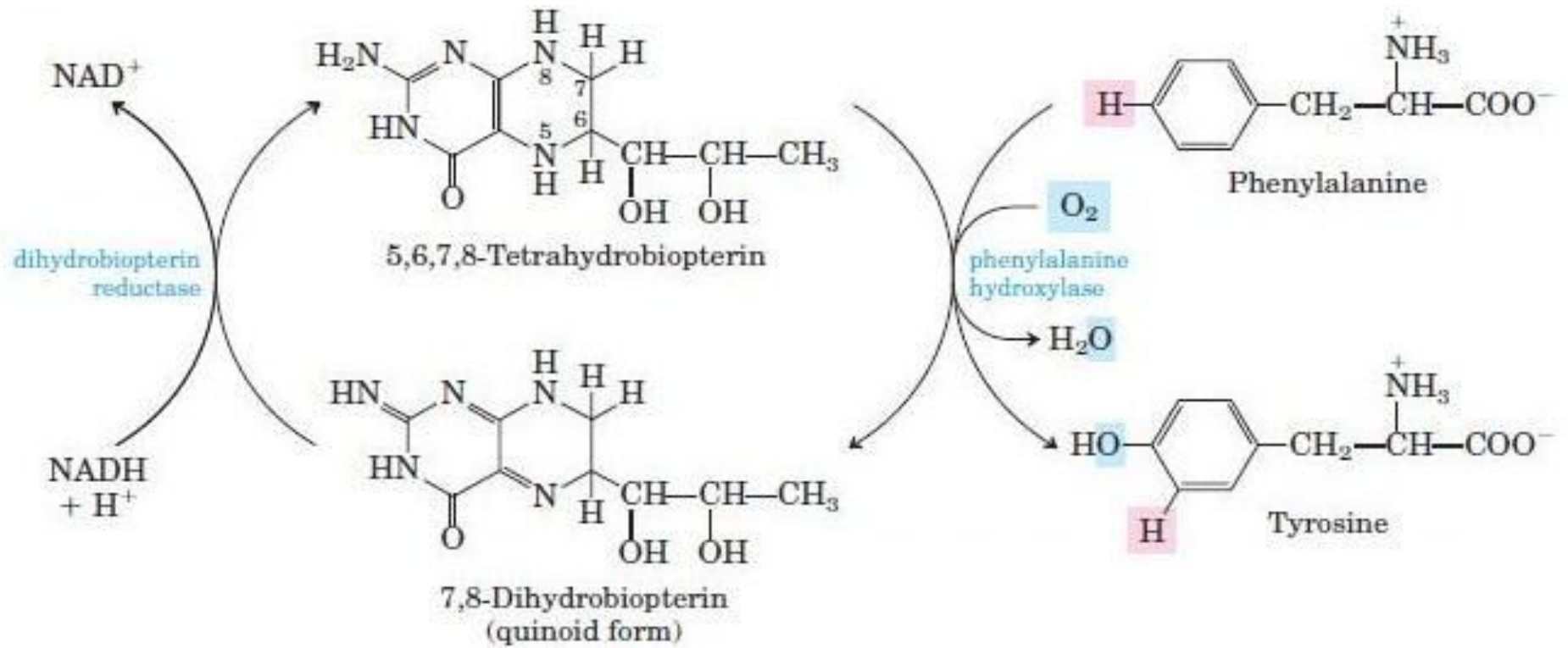


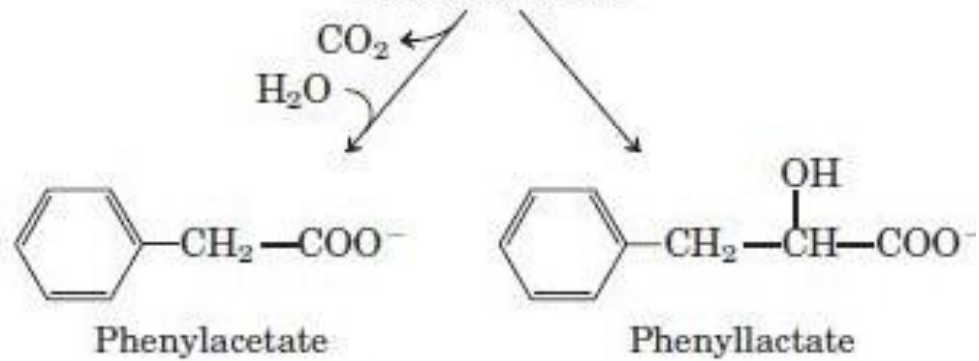
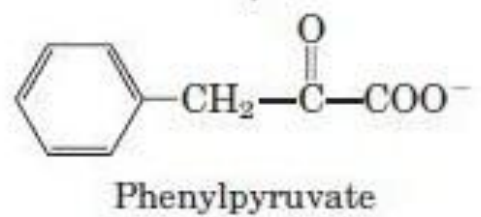
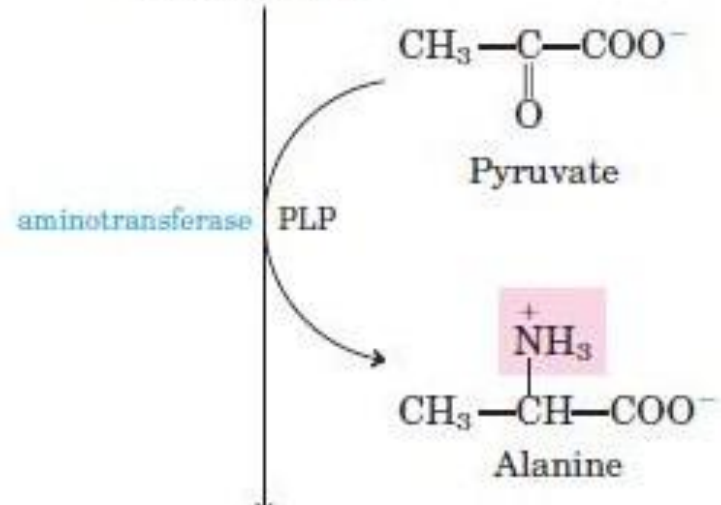
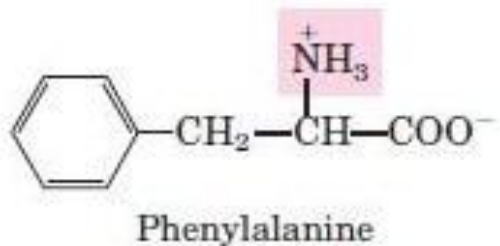


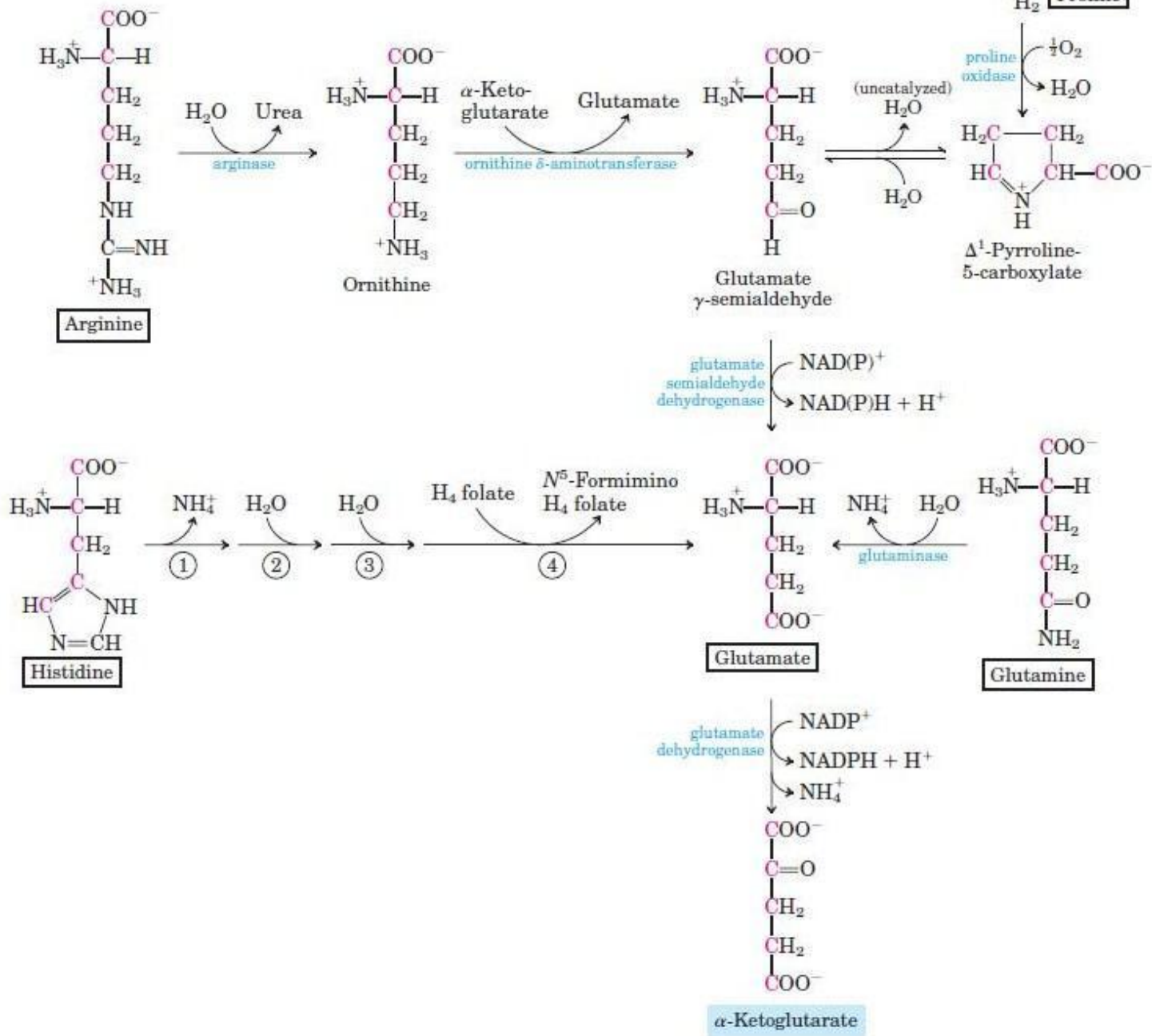


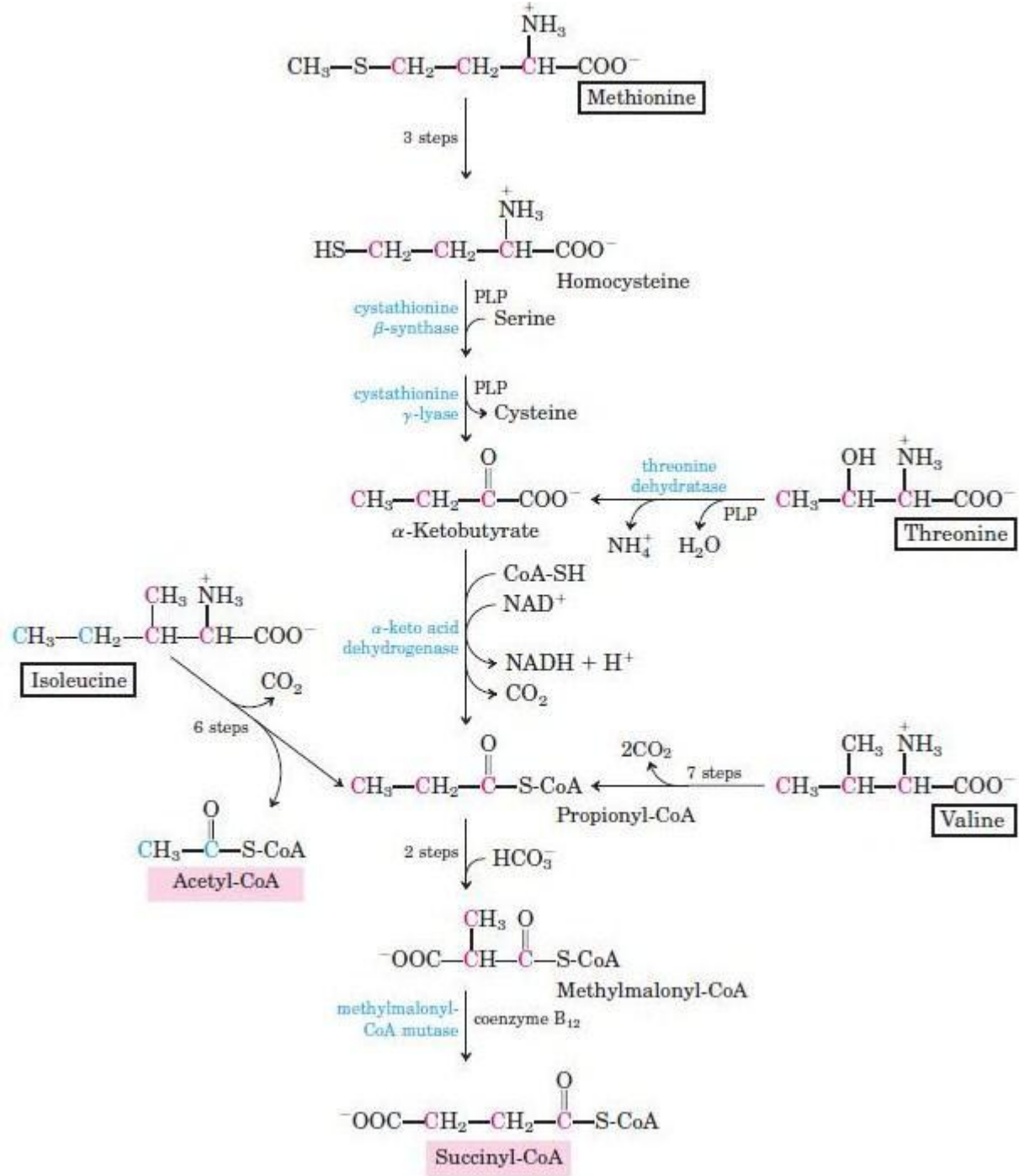


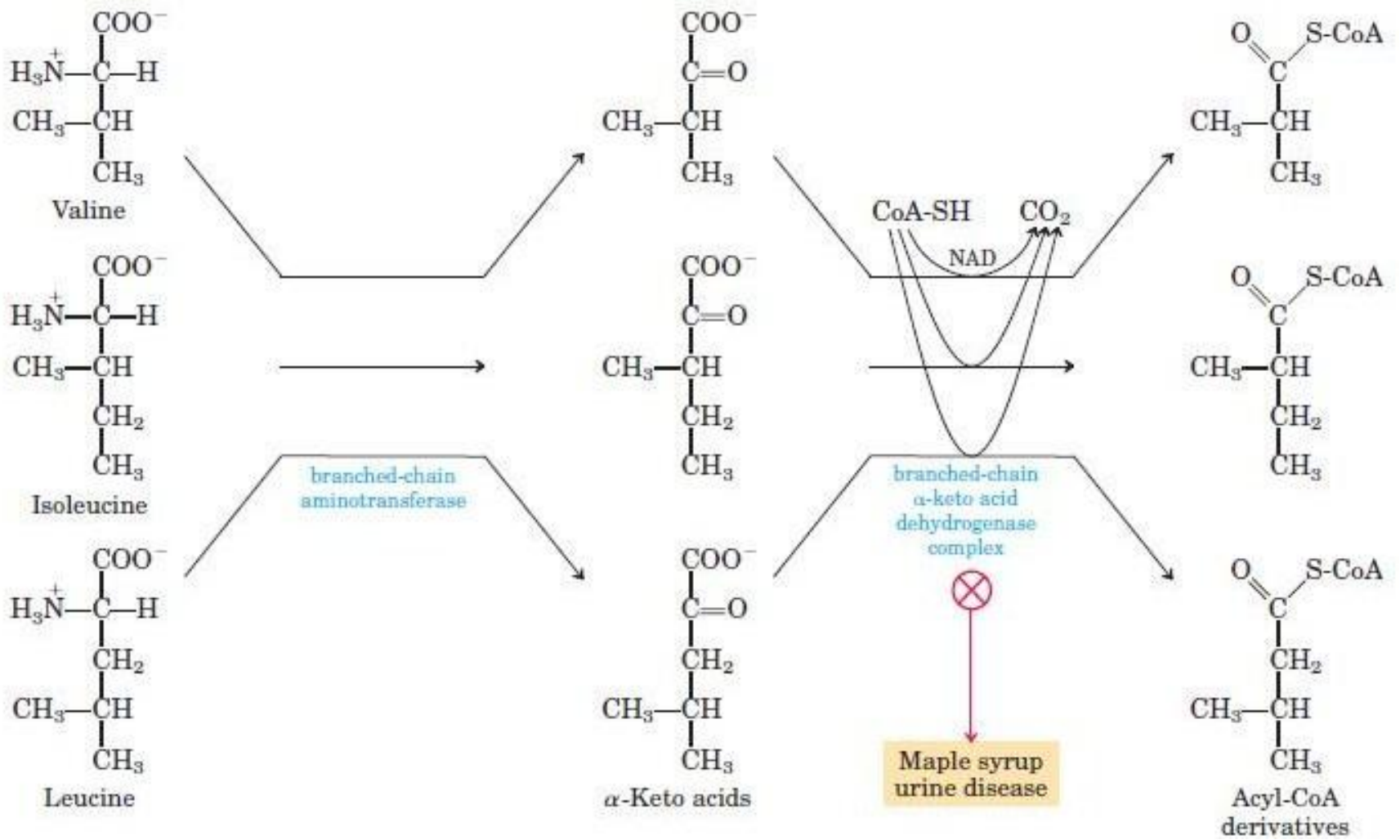




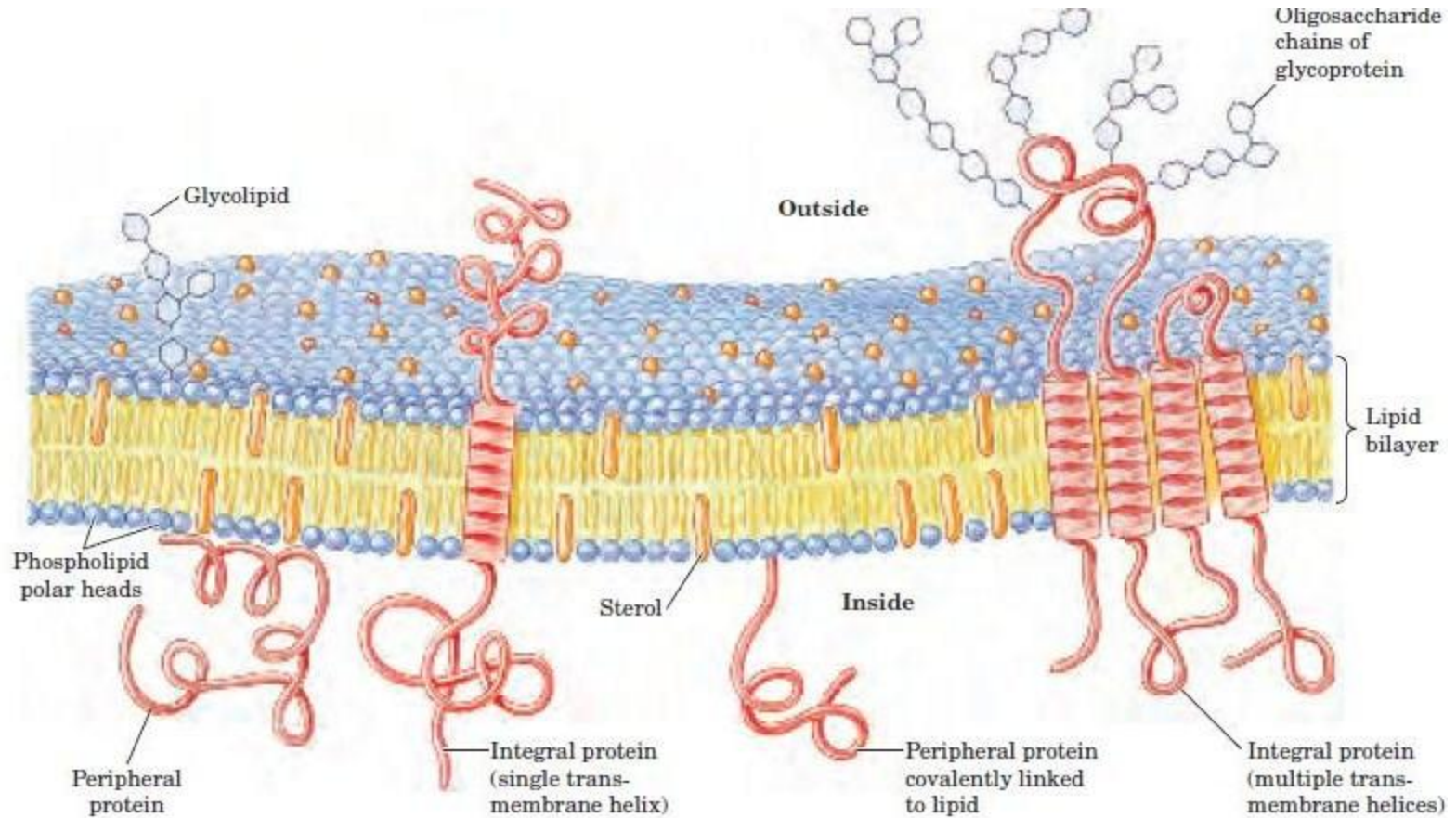








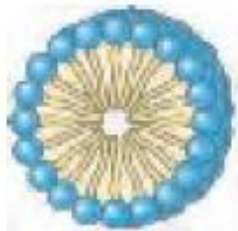
Організація мембрани клітини



Організація монофосфоліпідів



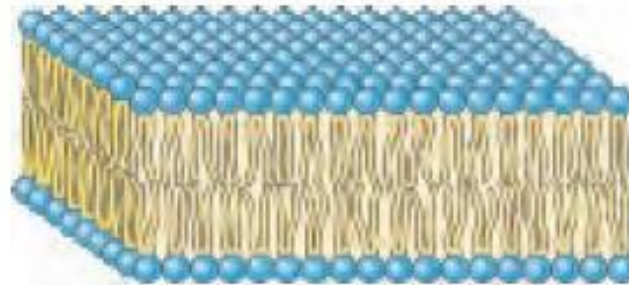
Individual units are wedge-shaped (cross section of head greater than that of side chain)



(a) Micelle

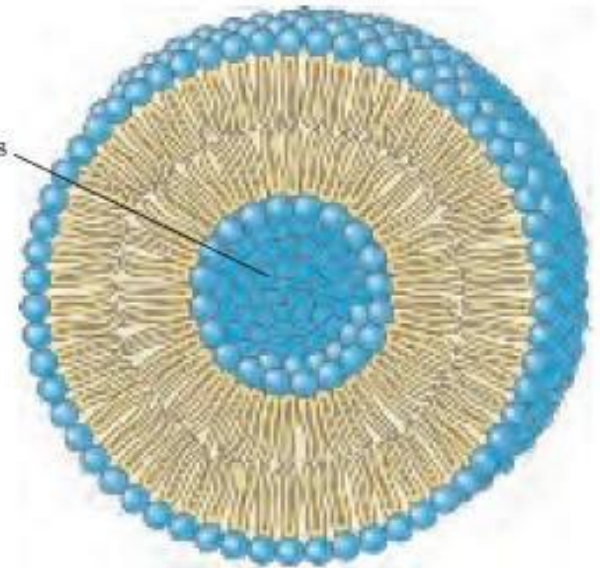


Individual units are cylindrical (cross section of head equals that of side chain)



(b) Bilayer

Aqueous cavity



(c) Liposome

Наступна лекція

Тема: «Азотисті основи. Синтез білків»

Дата проведення: 9 вересня 2014 року

*Пропозиції та побажання, а також
заохочення та підтримку кидайте в урну*