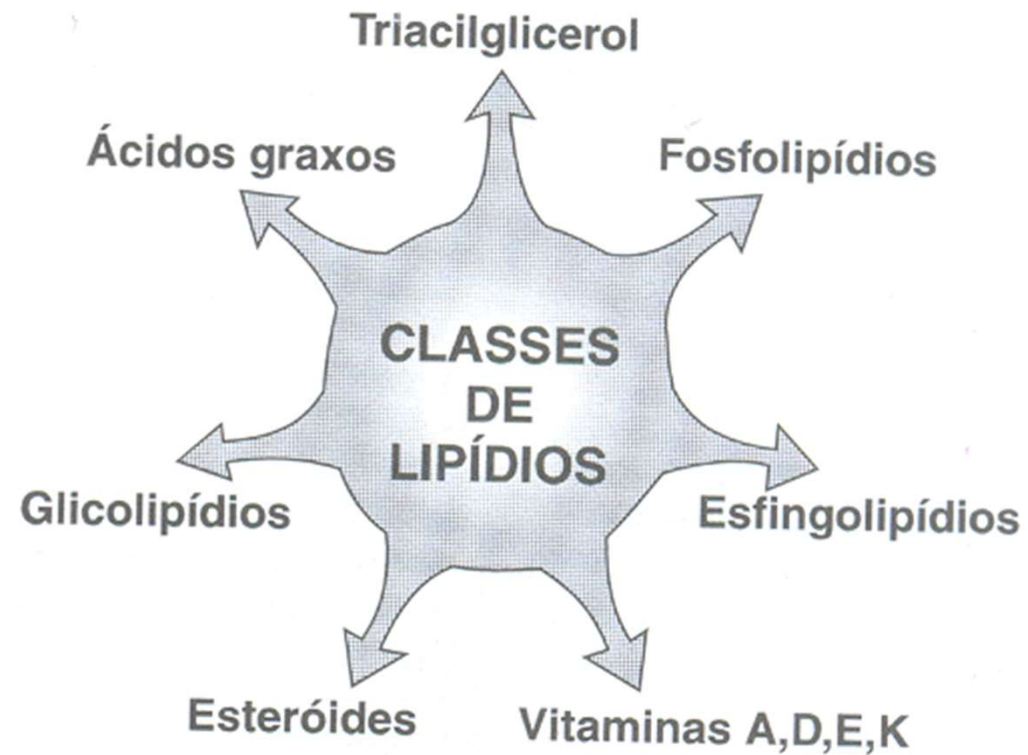
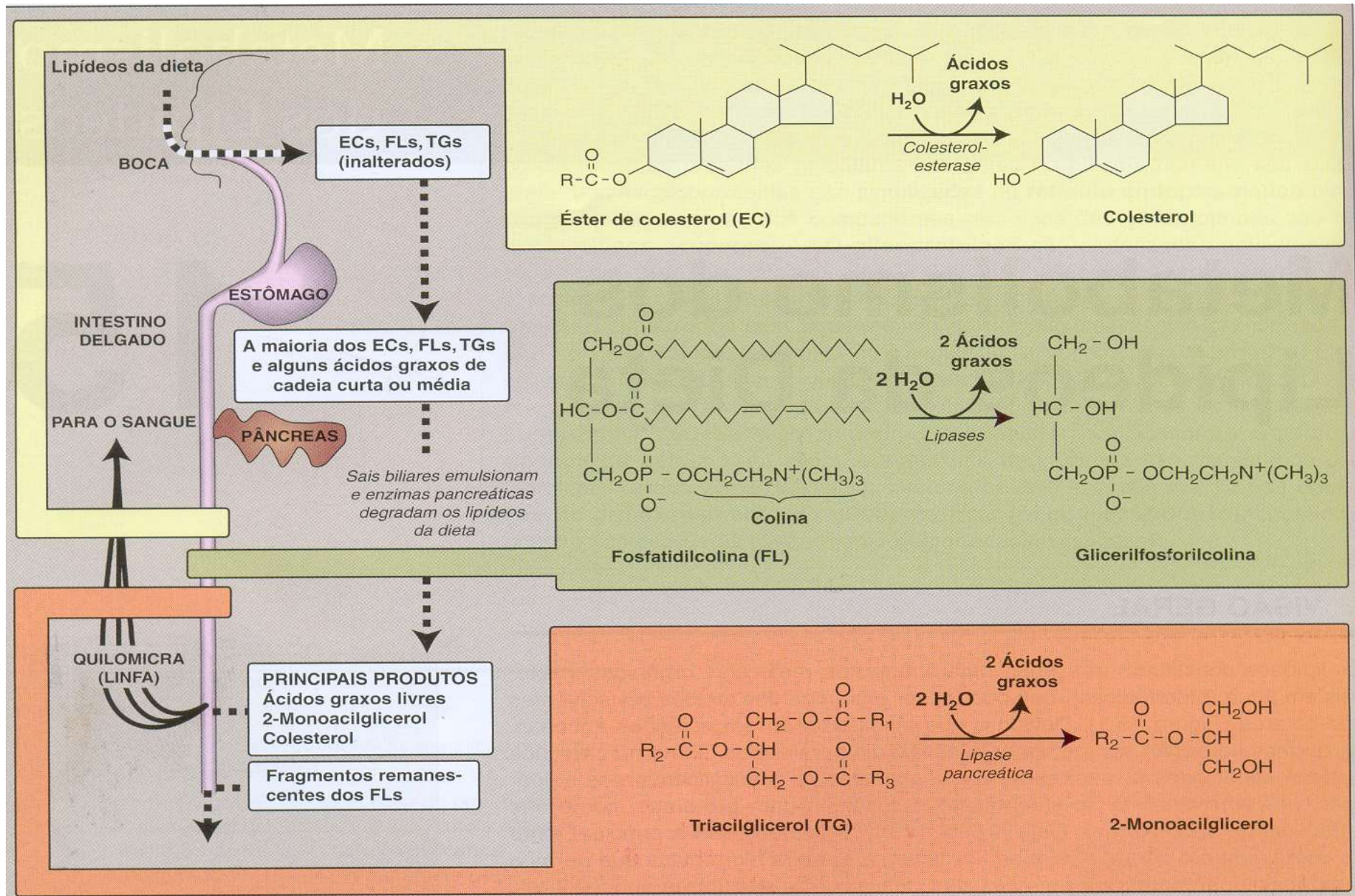


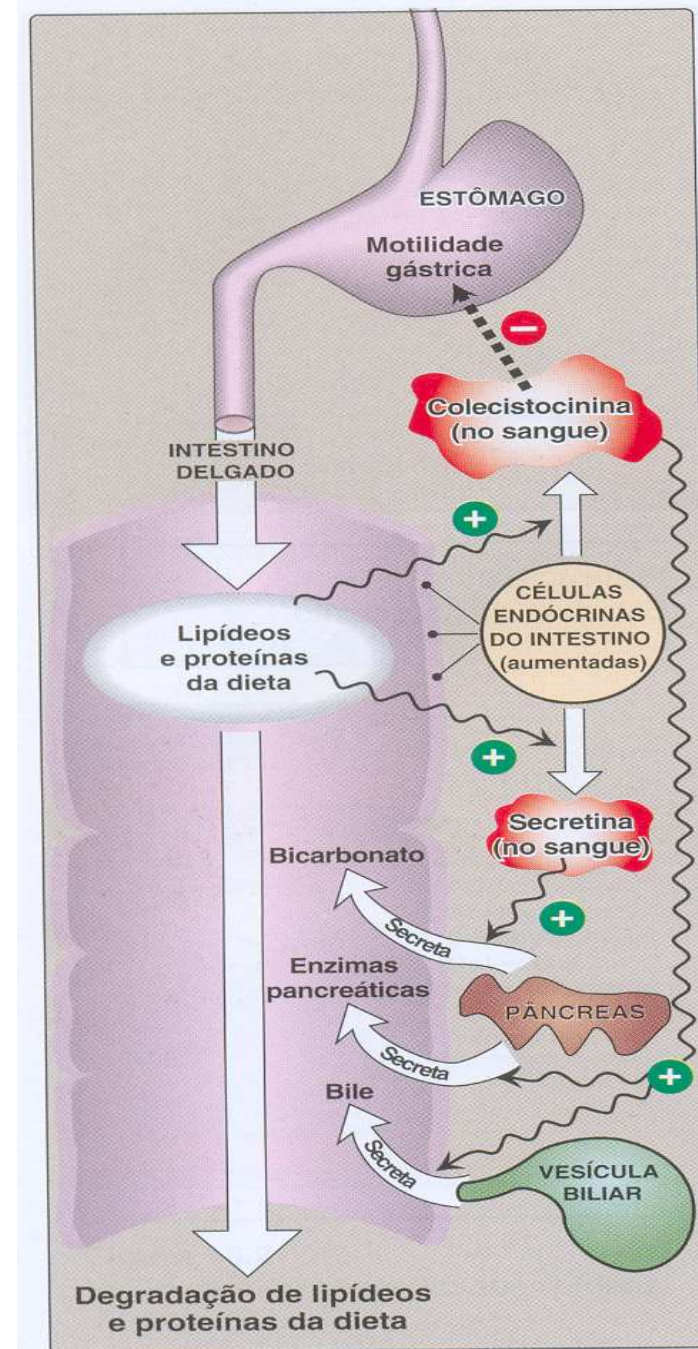
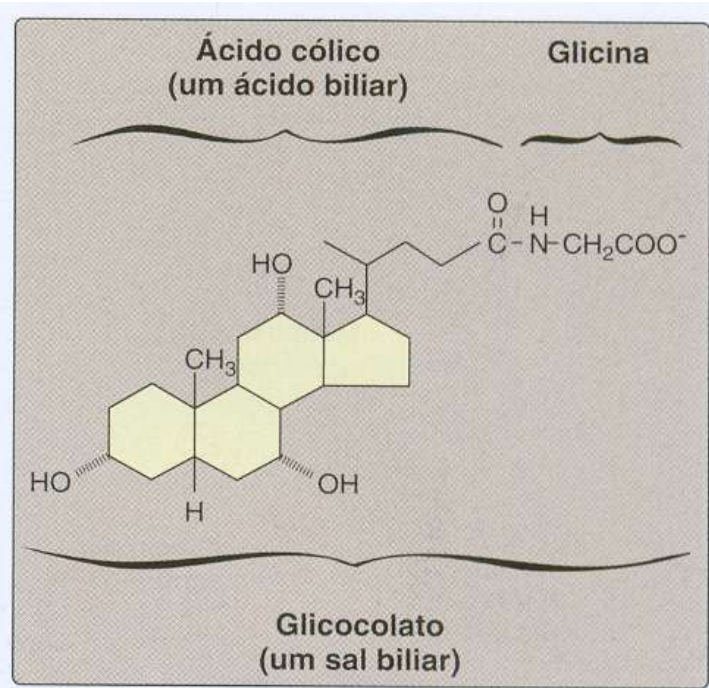
Metabolismo de Lipídeos



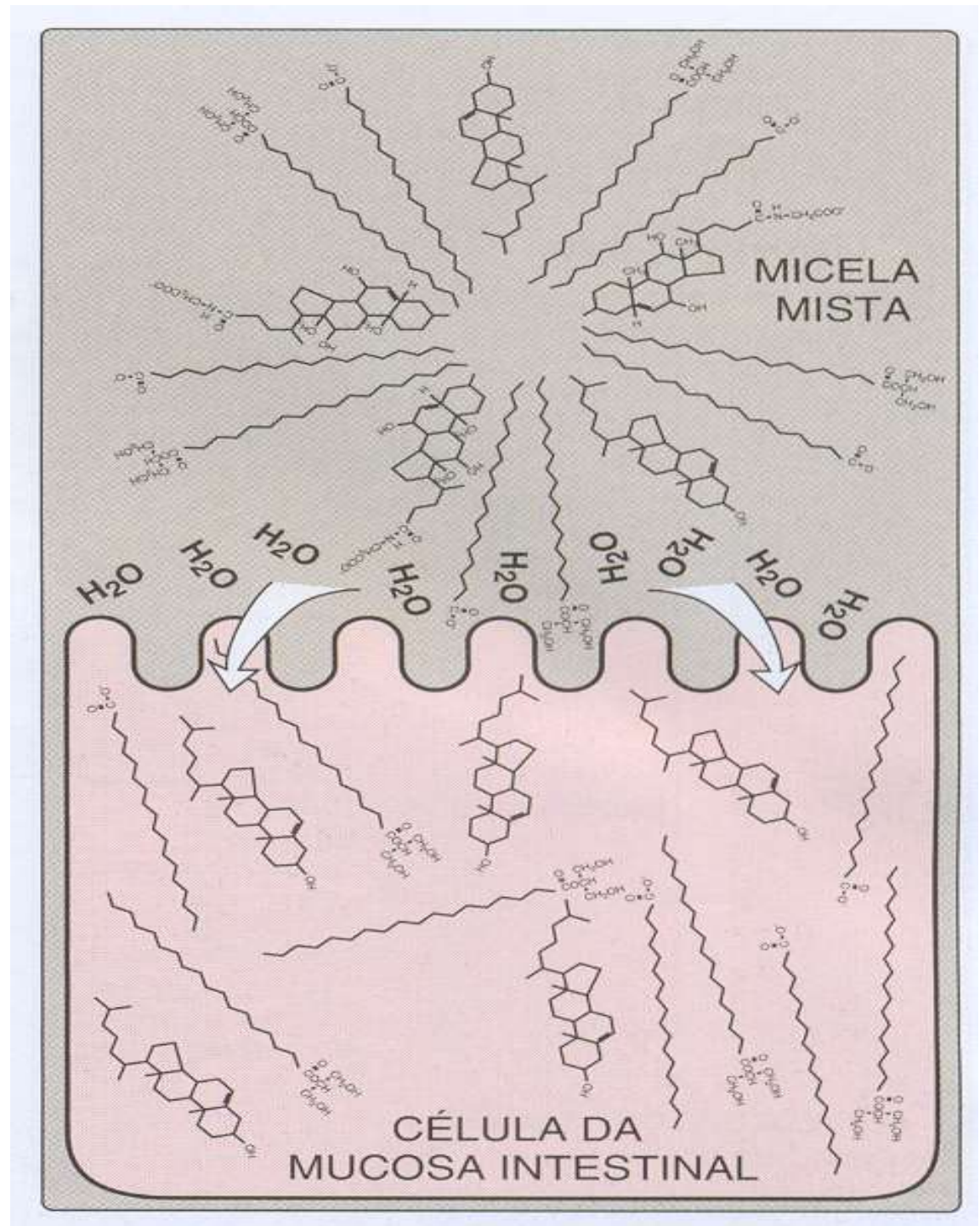
Degradação dos Lipídeos



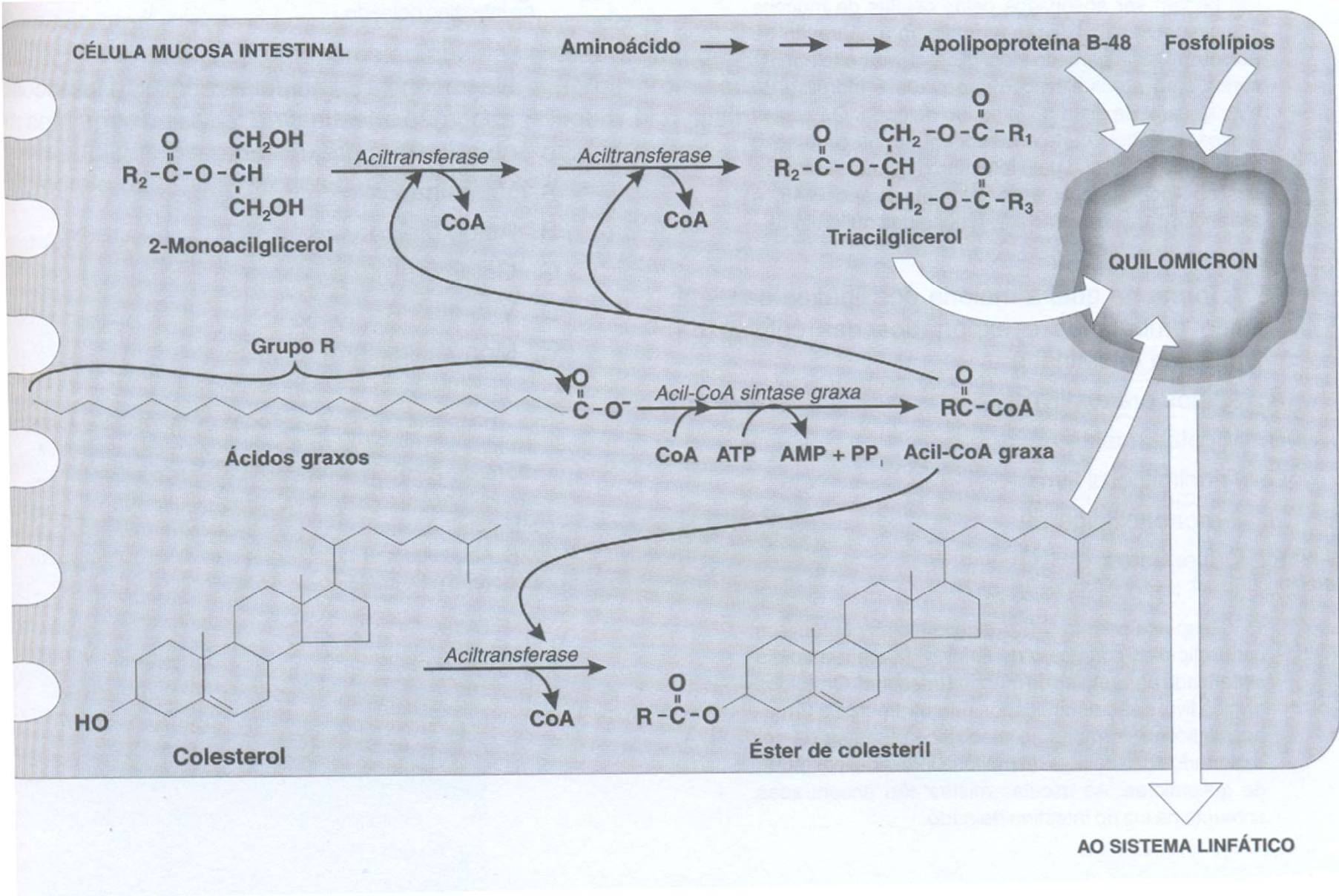
Digestão dos Lipídeos



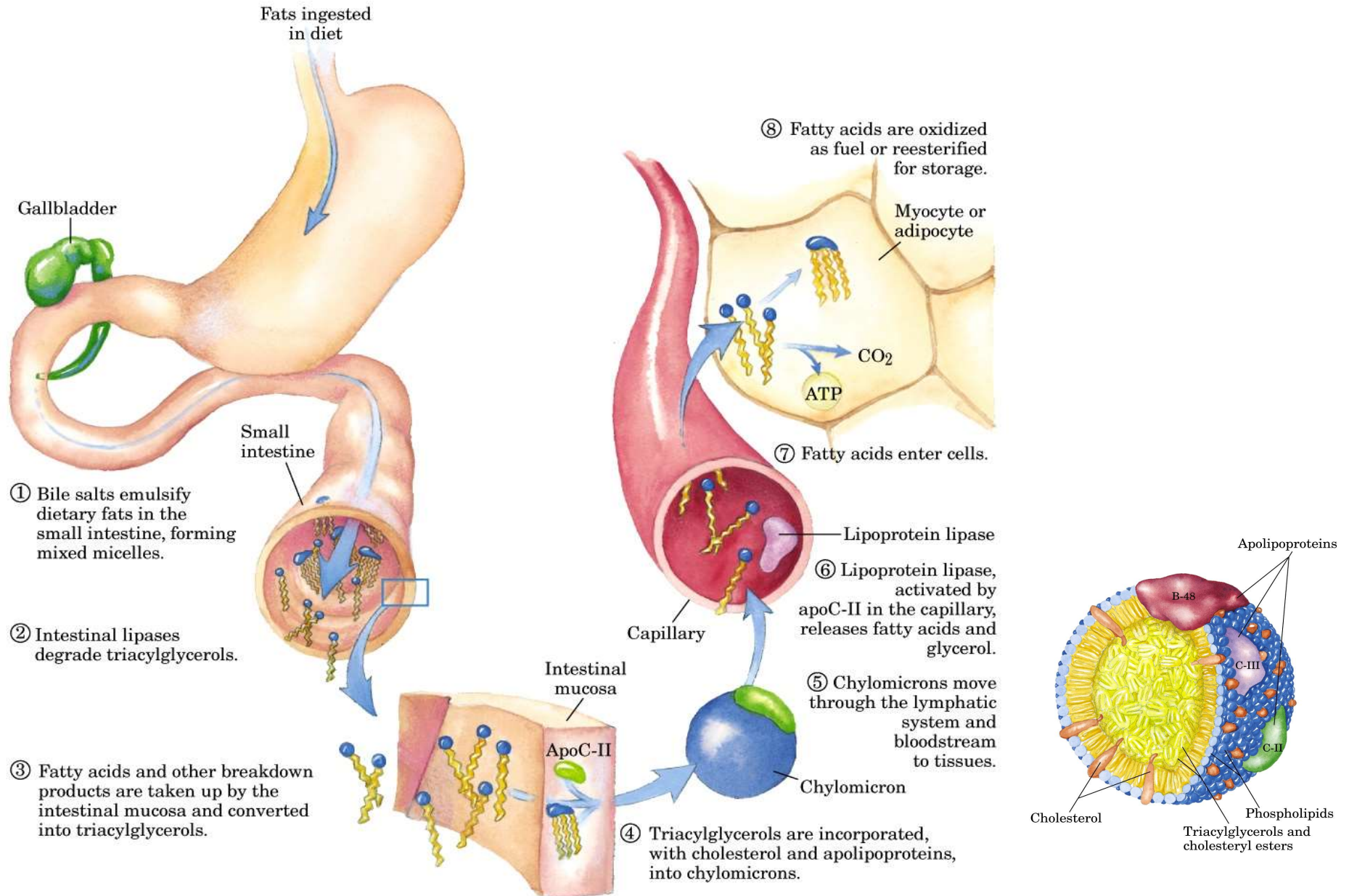
Absorção dos Lipídeos



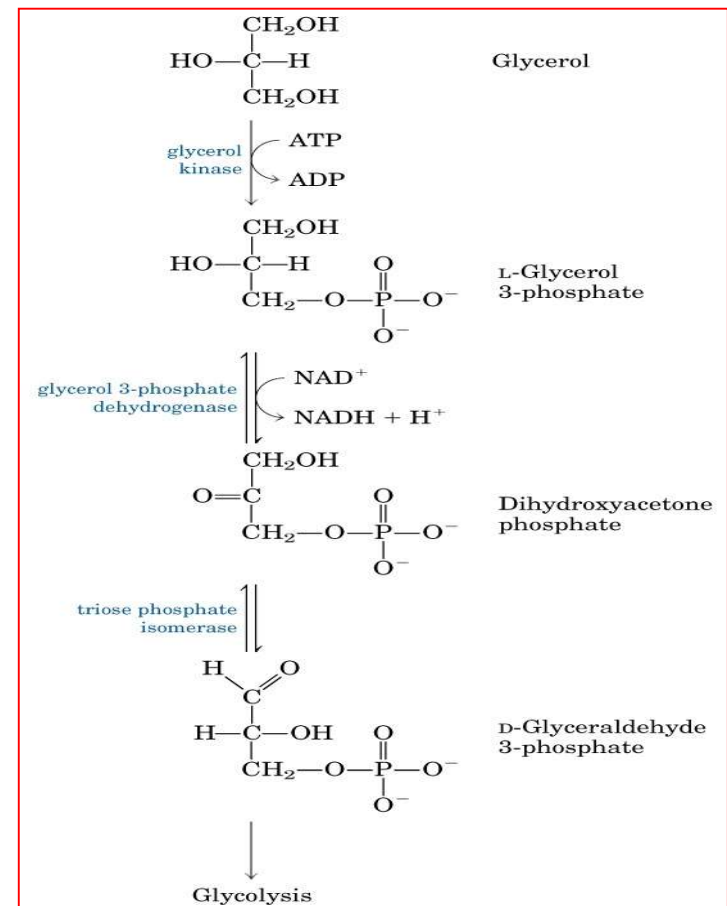
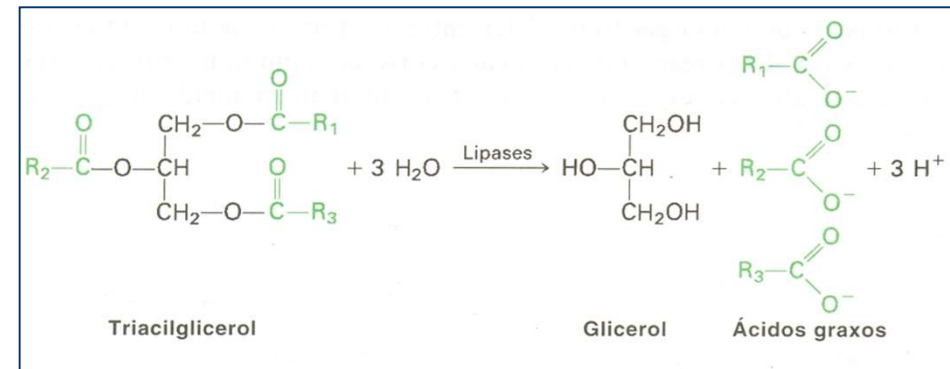
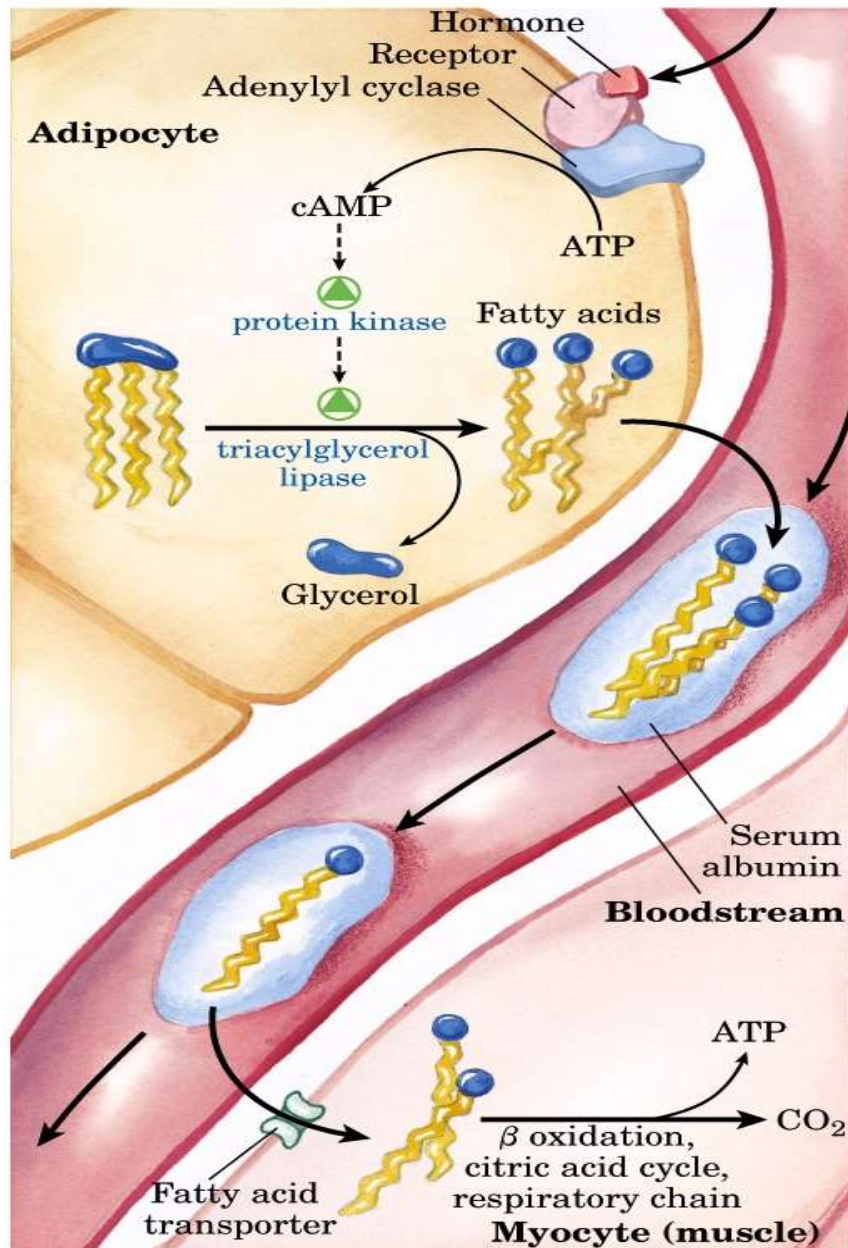
Ressíntese de Lipídeos



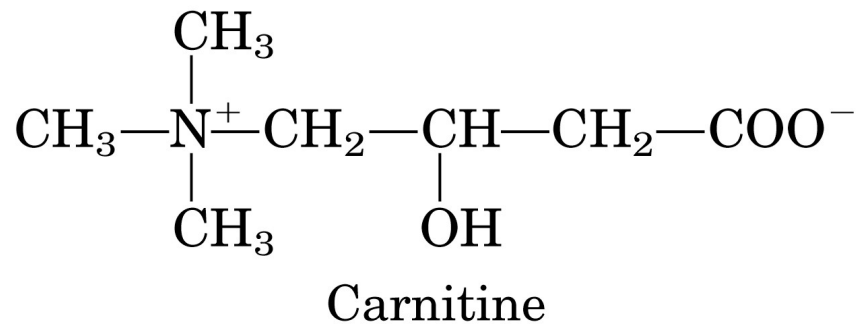
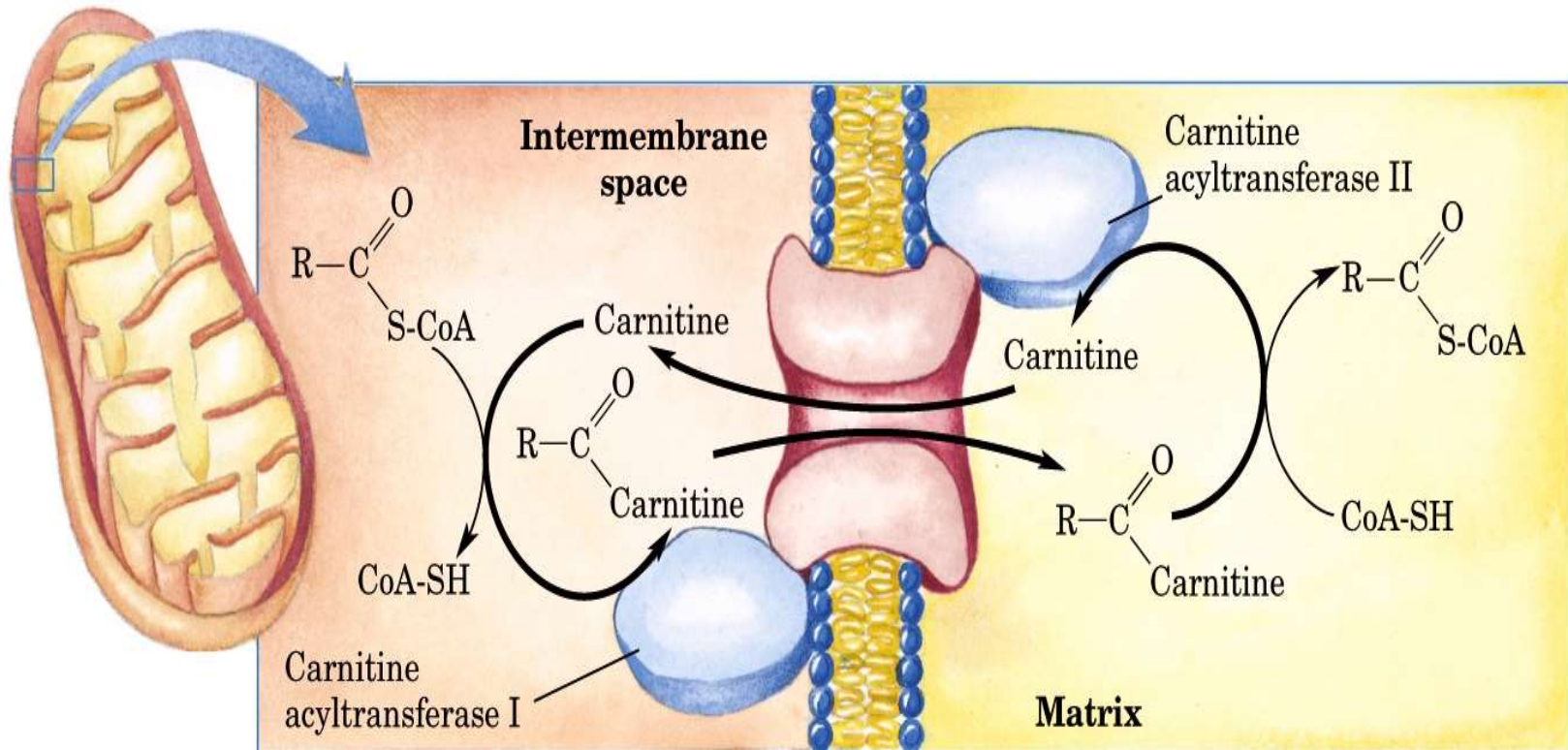
Processamento dos lipídeos alimentares em vertebrados



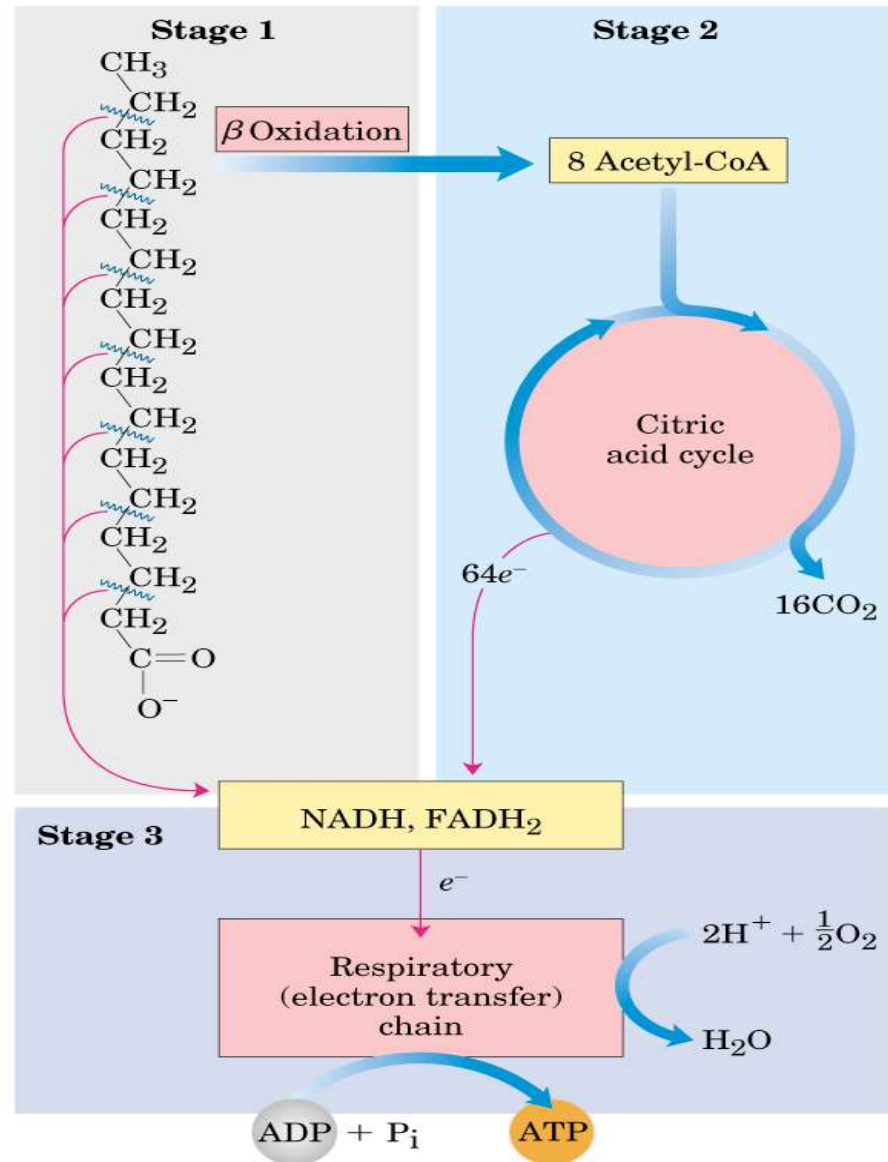
Mobilização dos triacilgliceróis armazenados nos tecidos



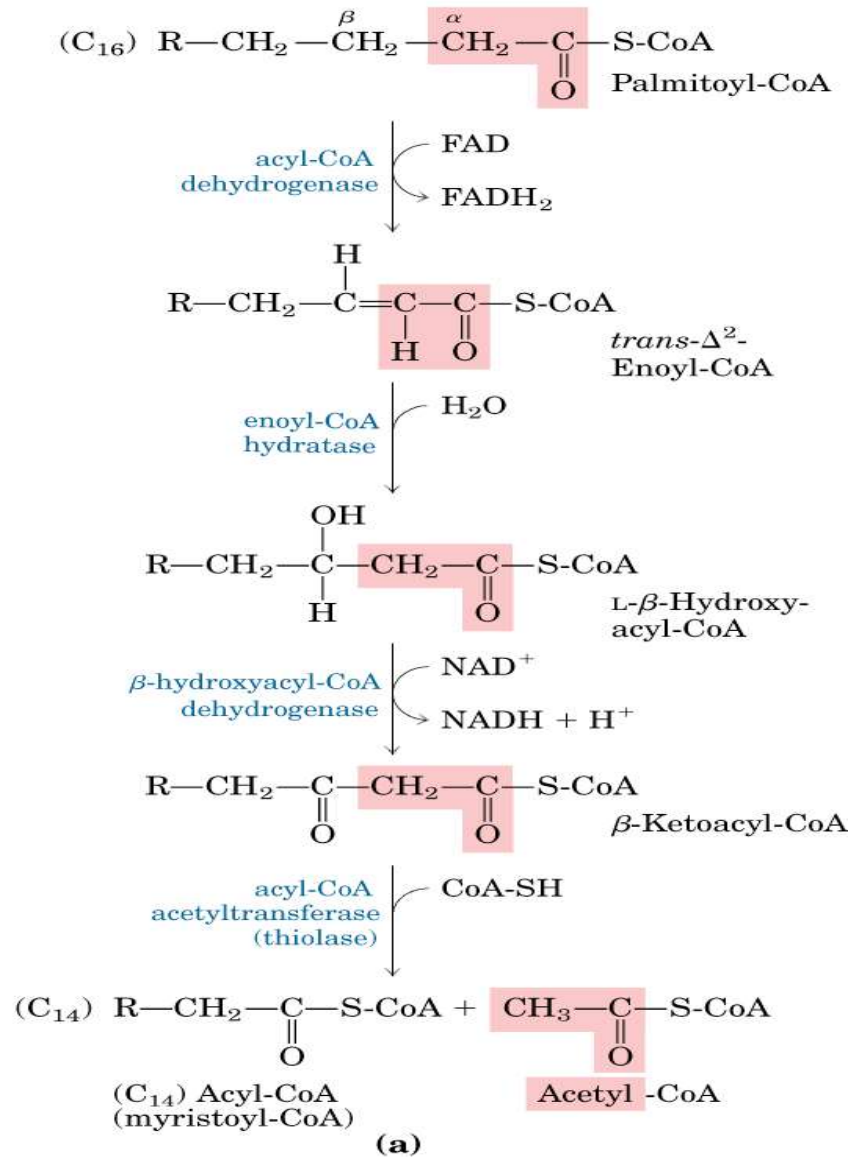
Sistema de transporte pela Carnitina

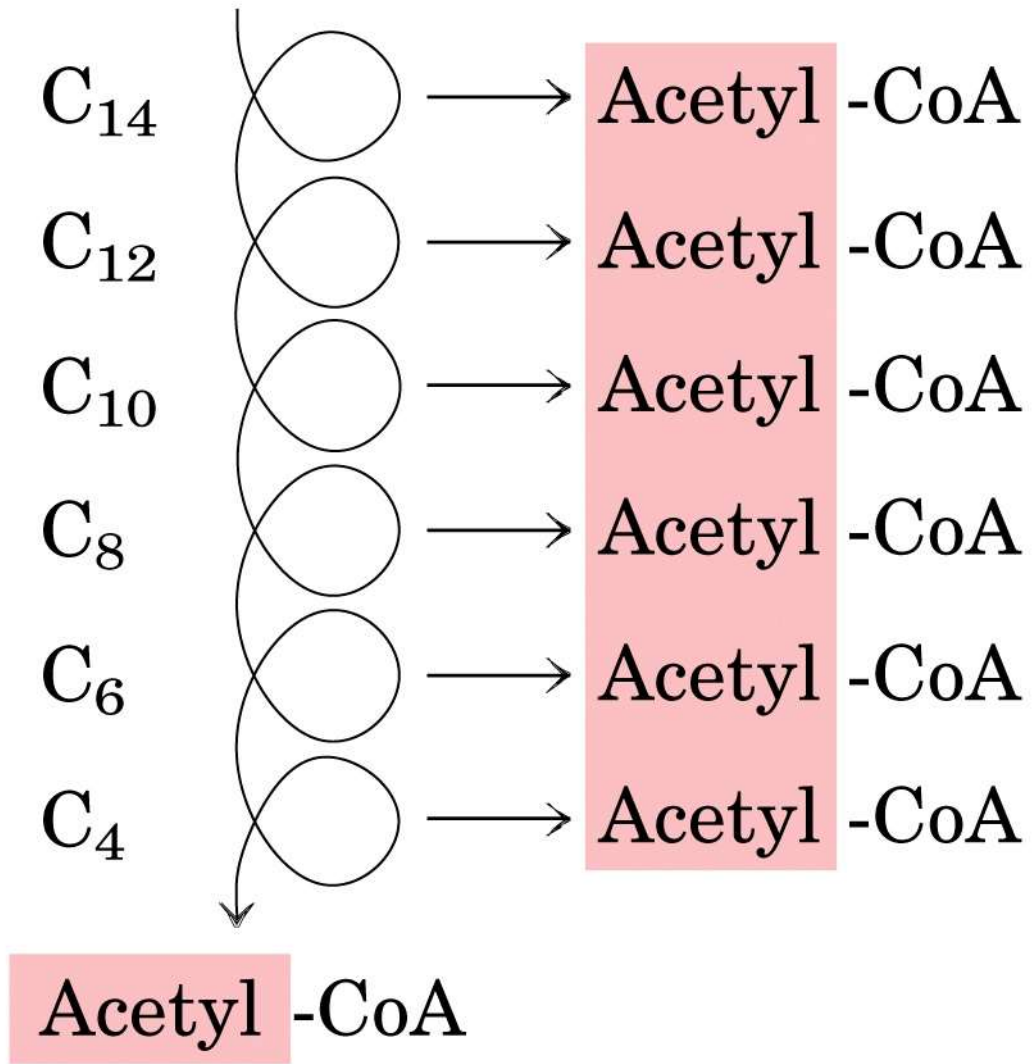


β -oxidação



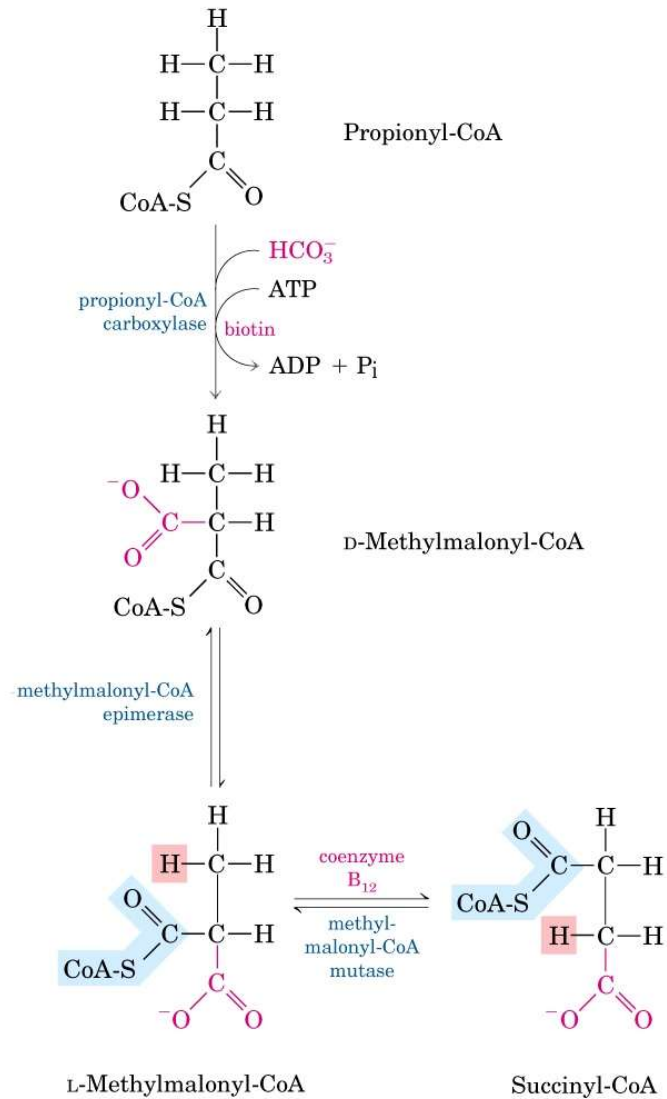
Passos básicos da β -oxidação



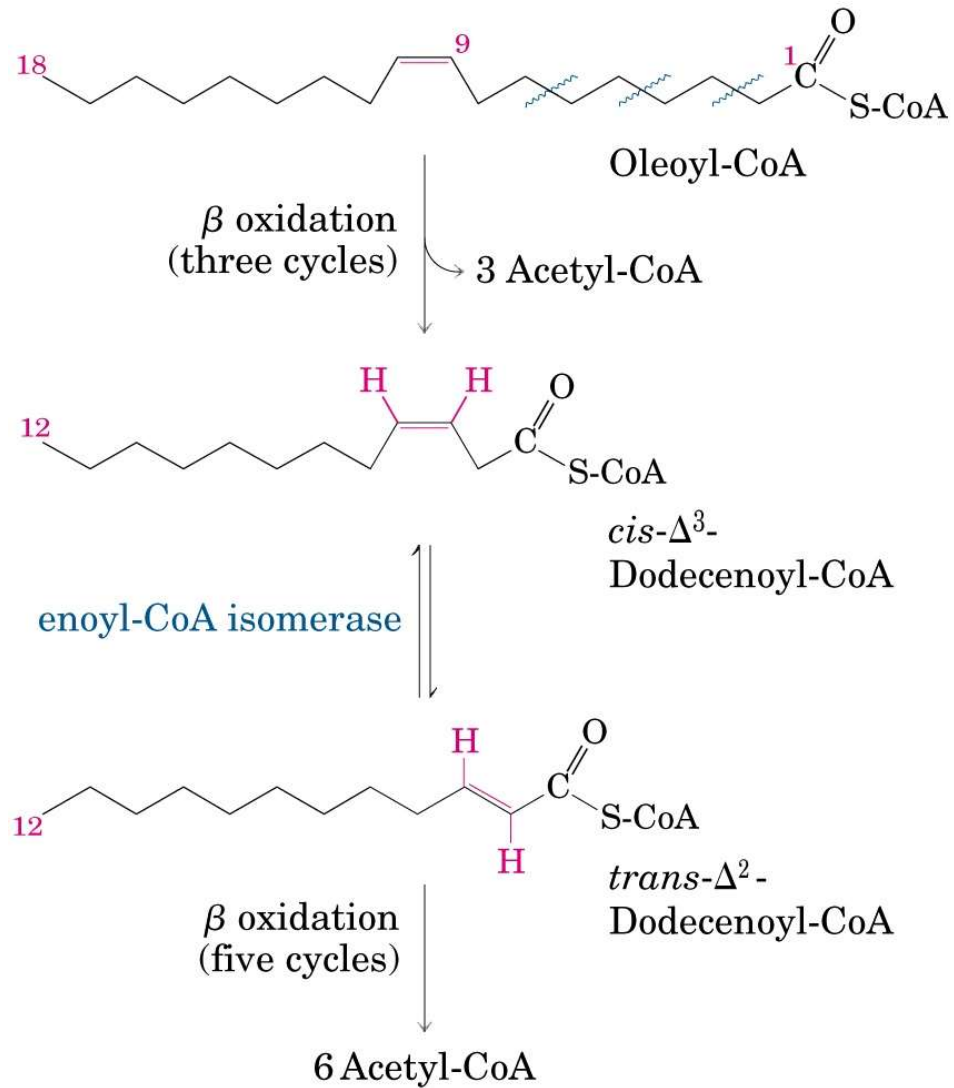


(b)

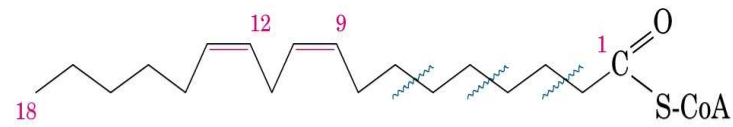
Oxidação de um ácido com número ímpar de carbono



Oxidação de um ácido graxo monoinsaturado

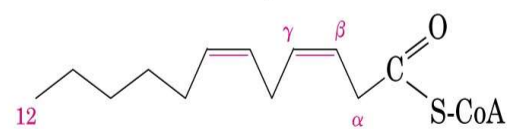


Oxidação de um ácido graxo poliinsaturado

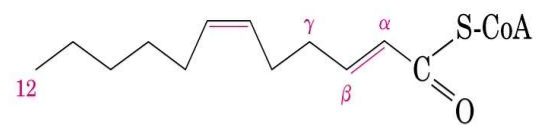


Linoleoyl-CoA
cis- Δ^9 , *cis*- Δ^{12}

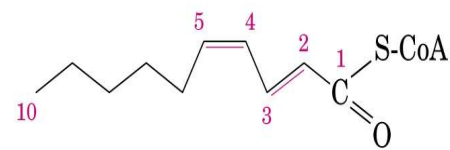
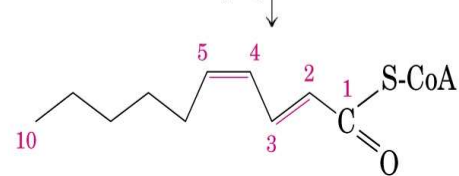
β oxidation
(three cycles)



enoyl-CoA
isomerase



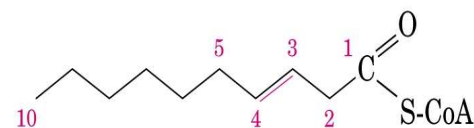
β oxidation
(one cycle, and
first oxidation
of second cycle)



trans- Δ^2 , *cis*- Δ^4

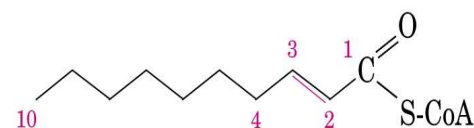
2,4-dienoyl-CoA
reductase

NADPH + H⁺
NADP⁺



trans- Δ^3

enoyl-CoA
isomerase

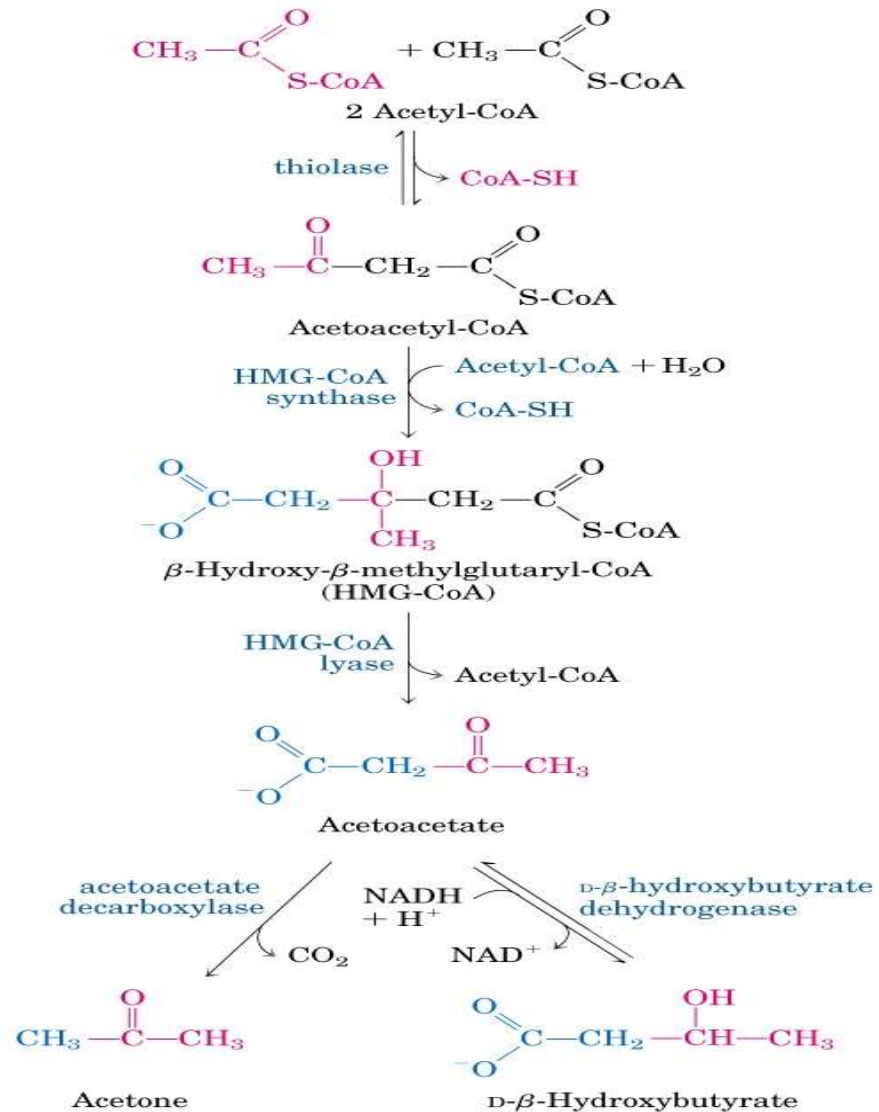


trans- Δ^2

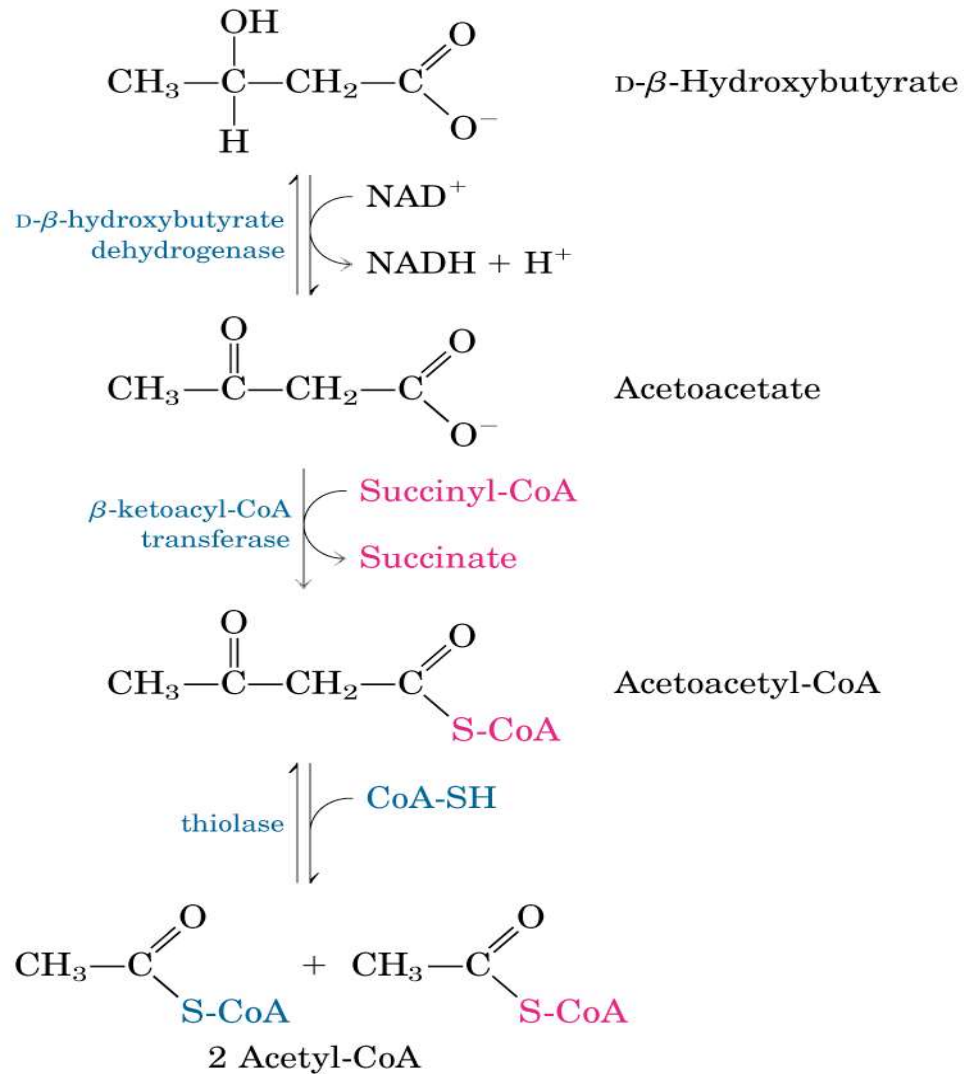
β oxidation
(four cycles)

5 Acetyl-CoA

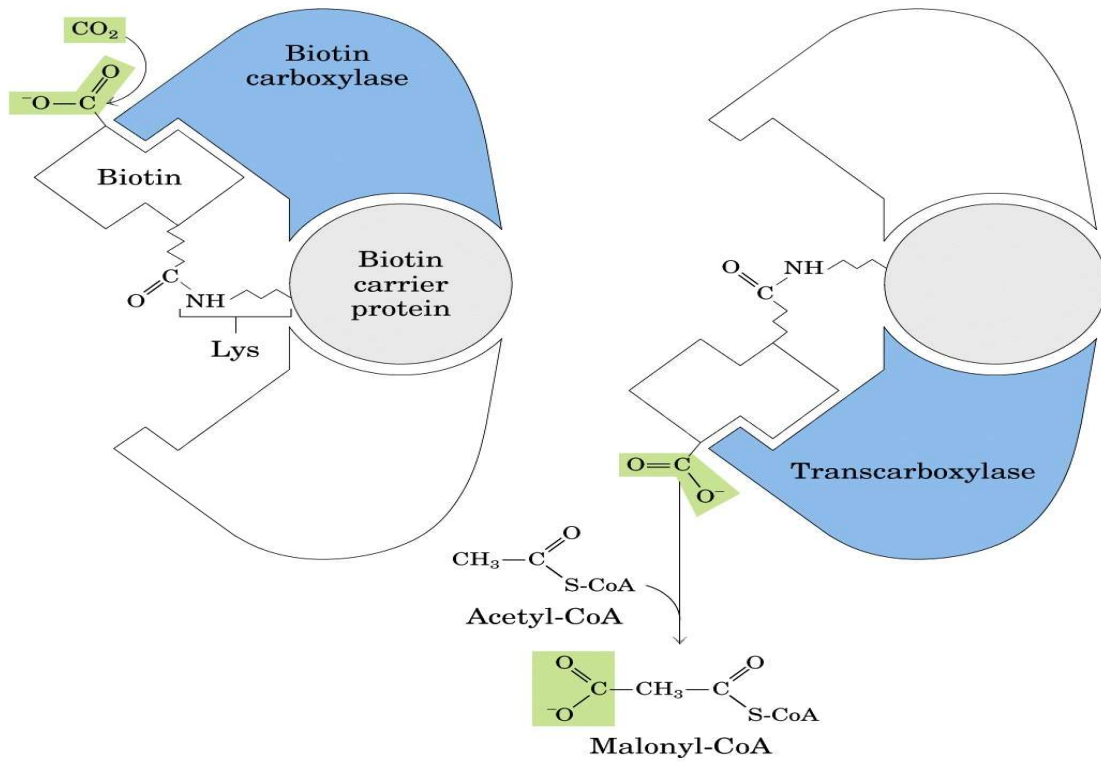
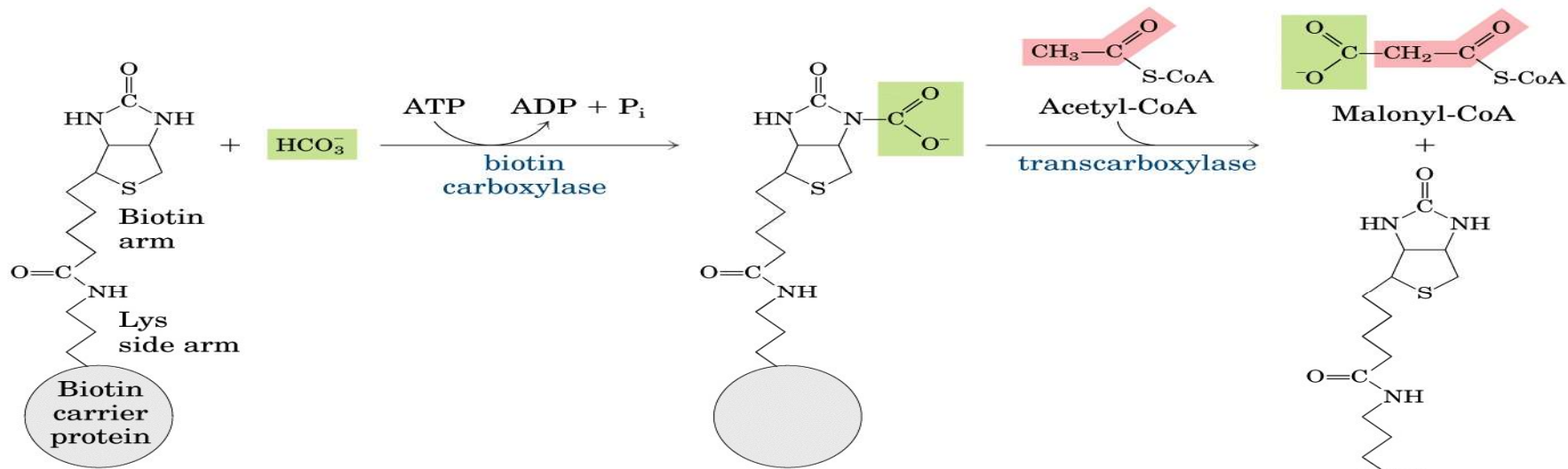
Formação de corpos cetônicos



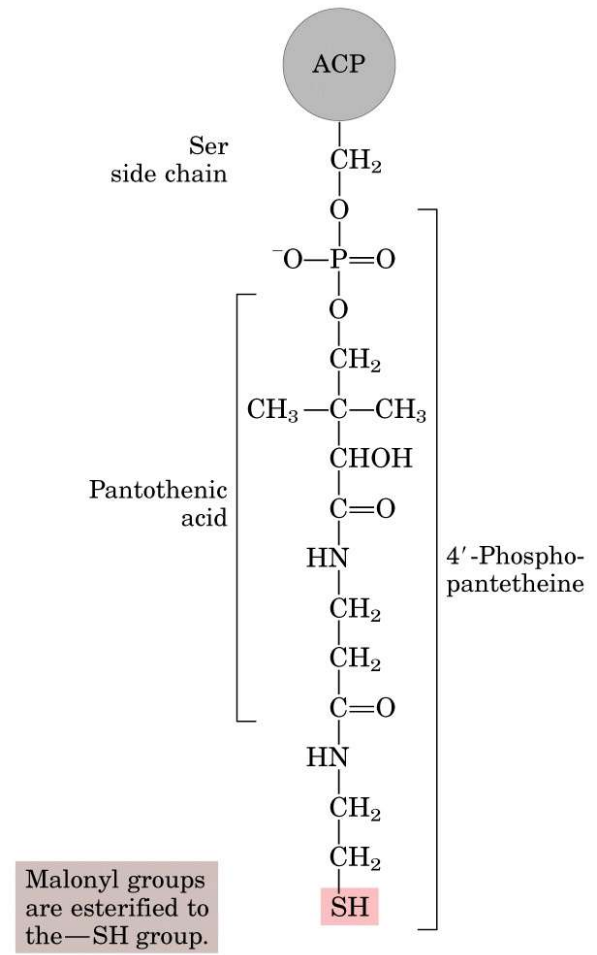
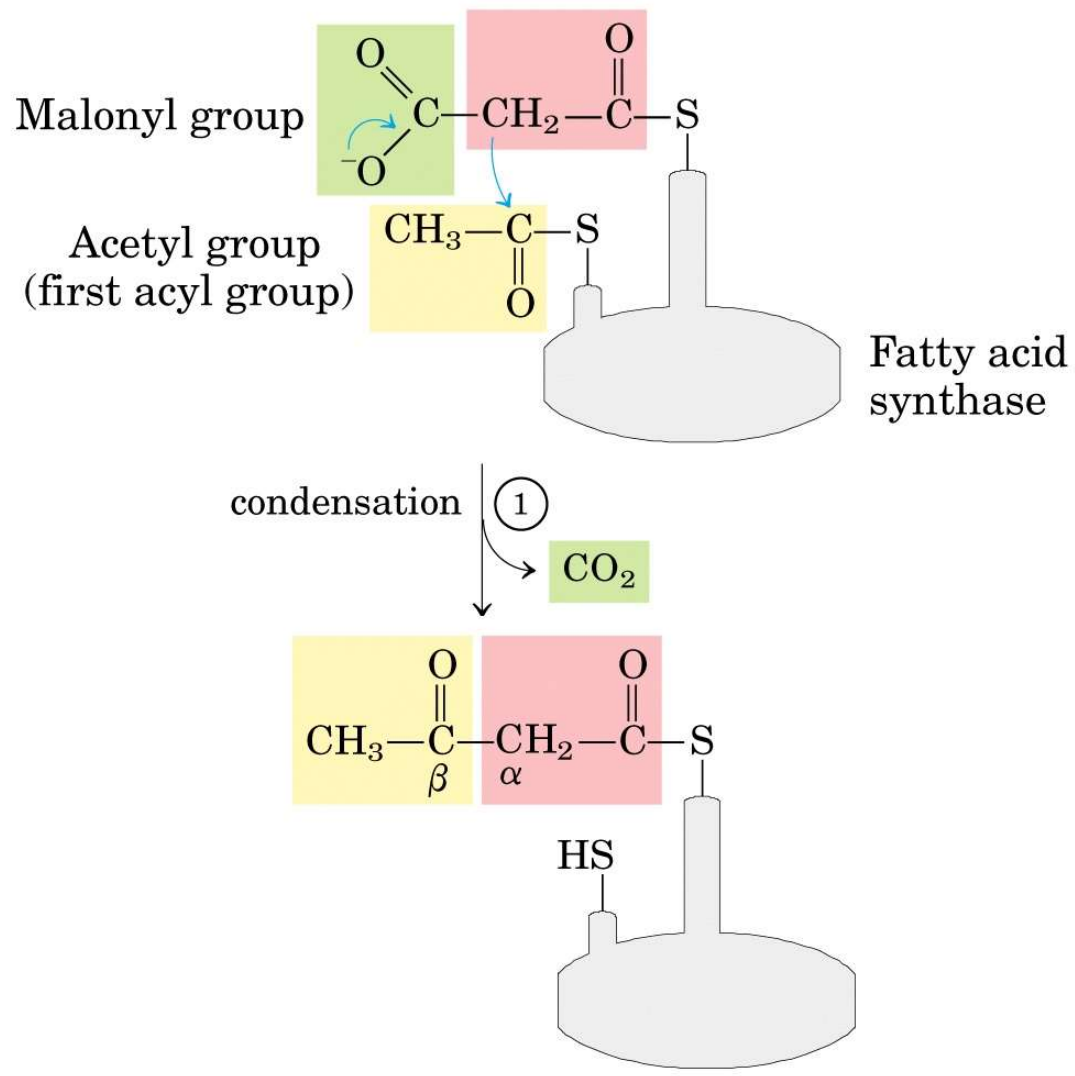
Uso de corpos cetônicos pelo cérebro

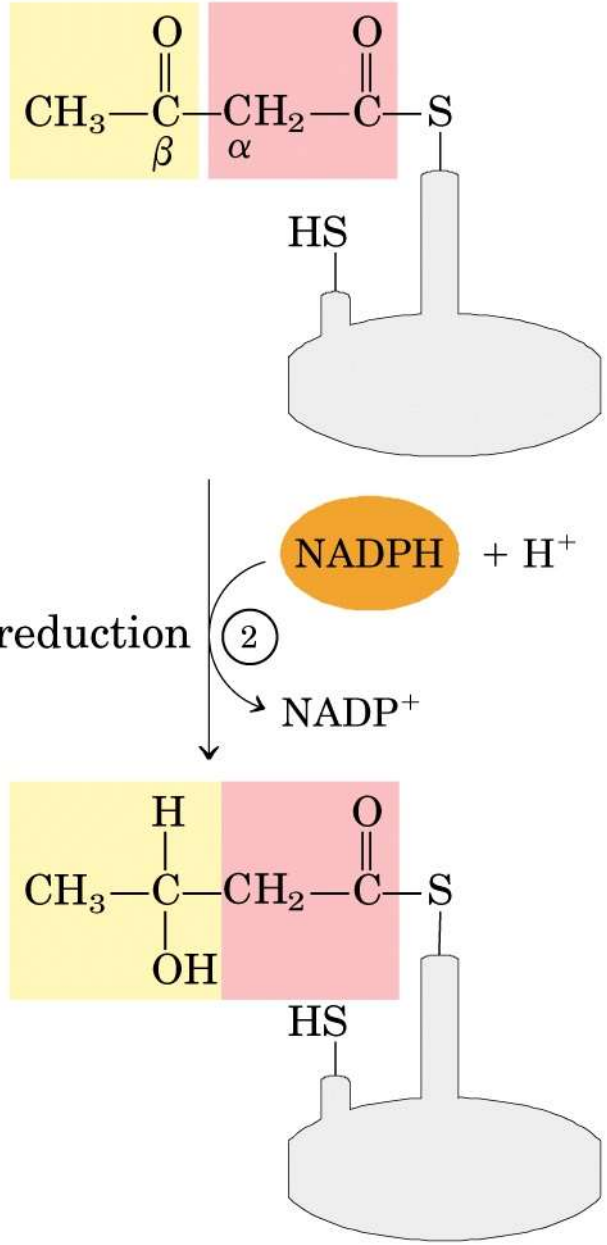


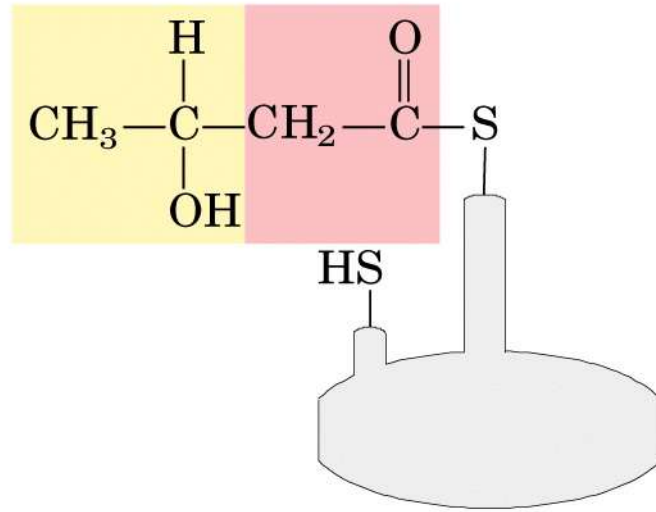
Biossíntese de Lipídeos



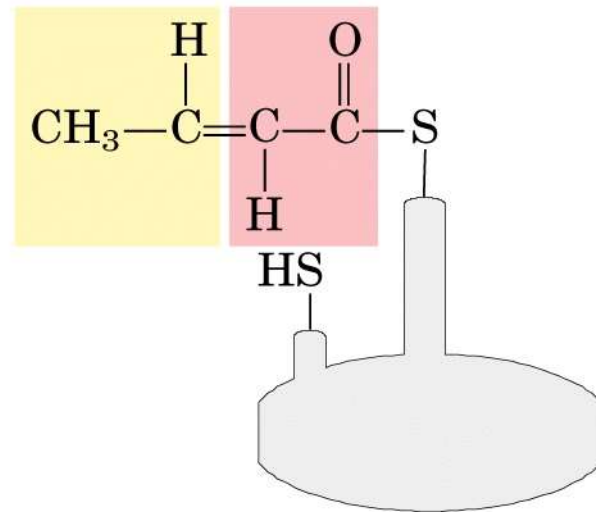
Sequência de 4 passos na síntese de lipídeos

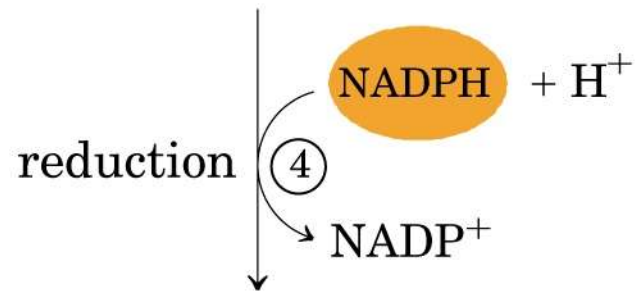
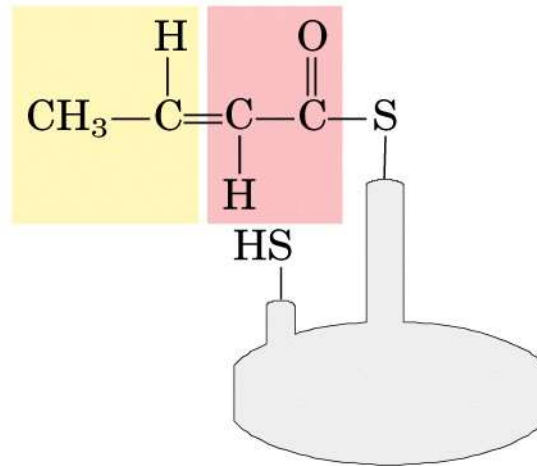






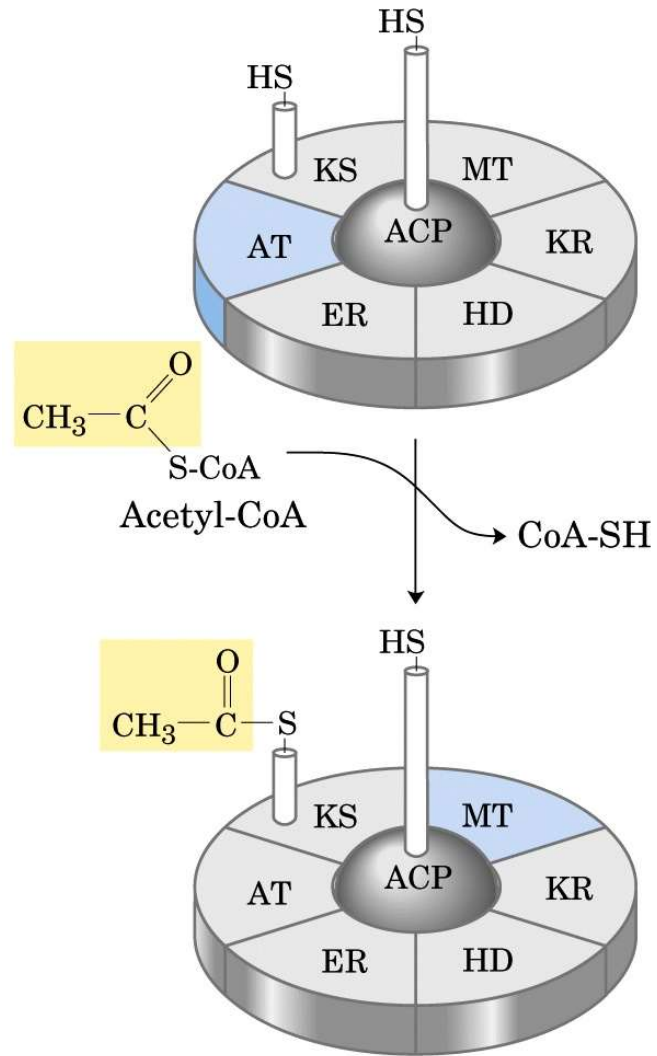
dehydration (3) $\rightarrow \text{H}_2\text{O}$

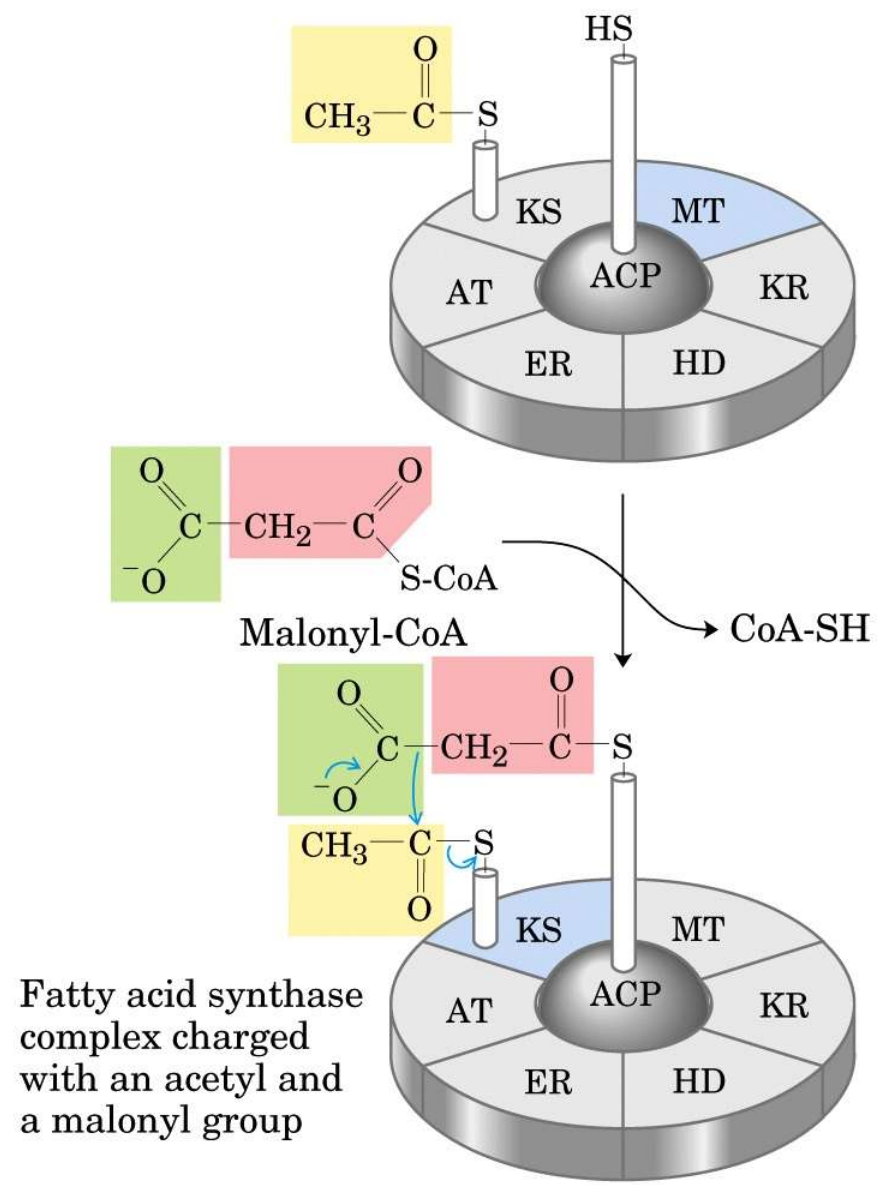


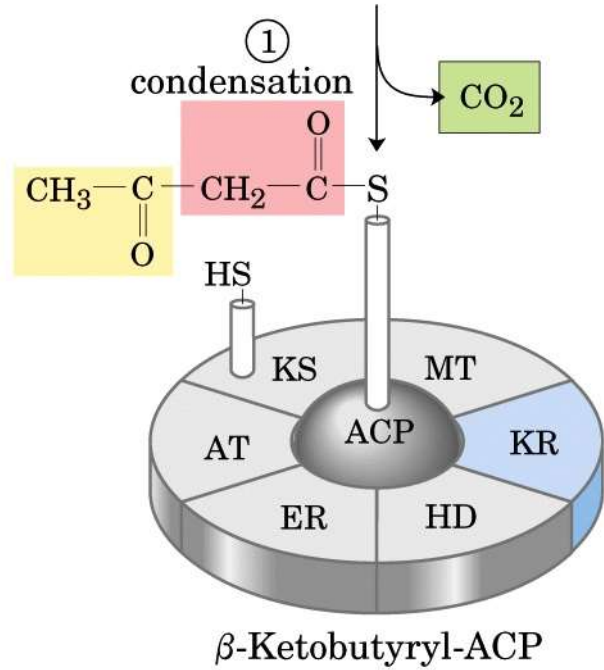
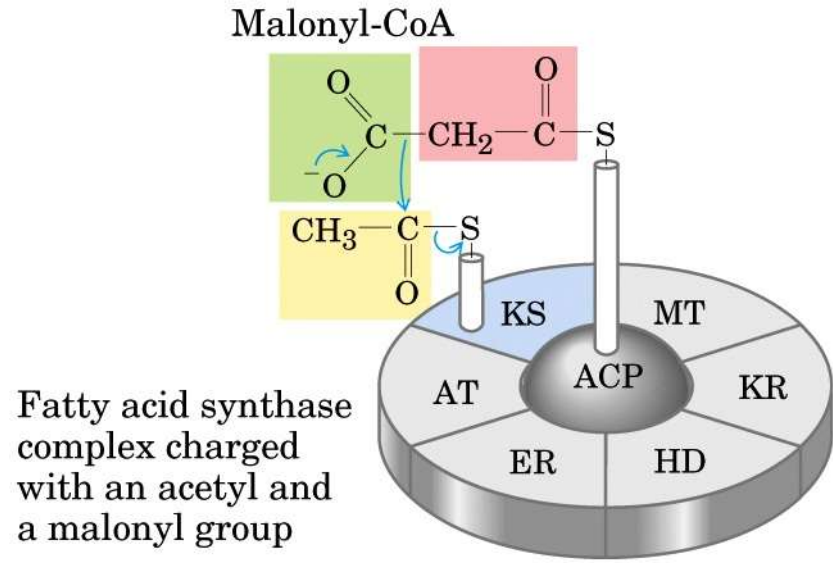


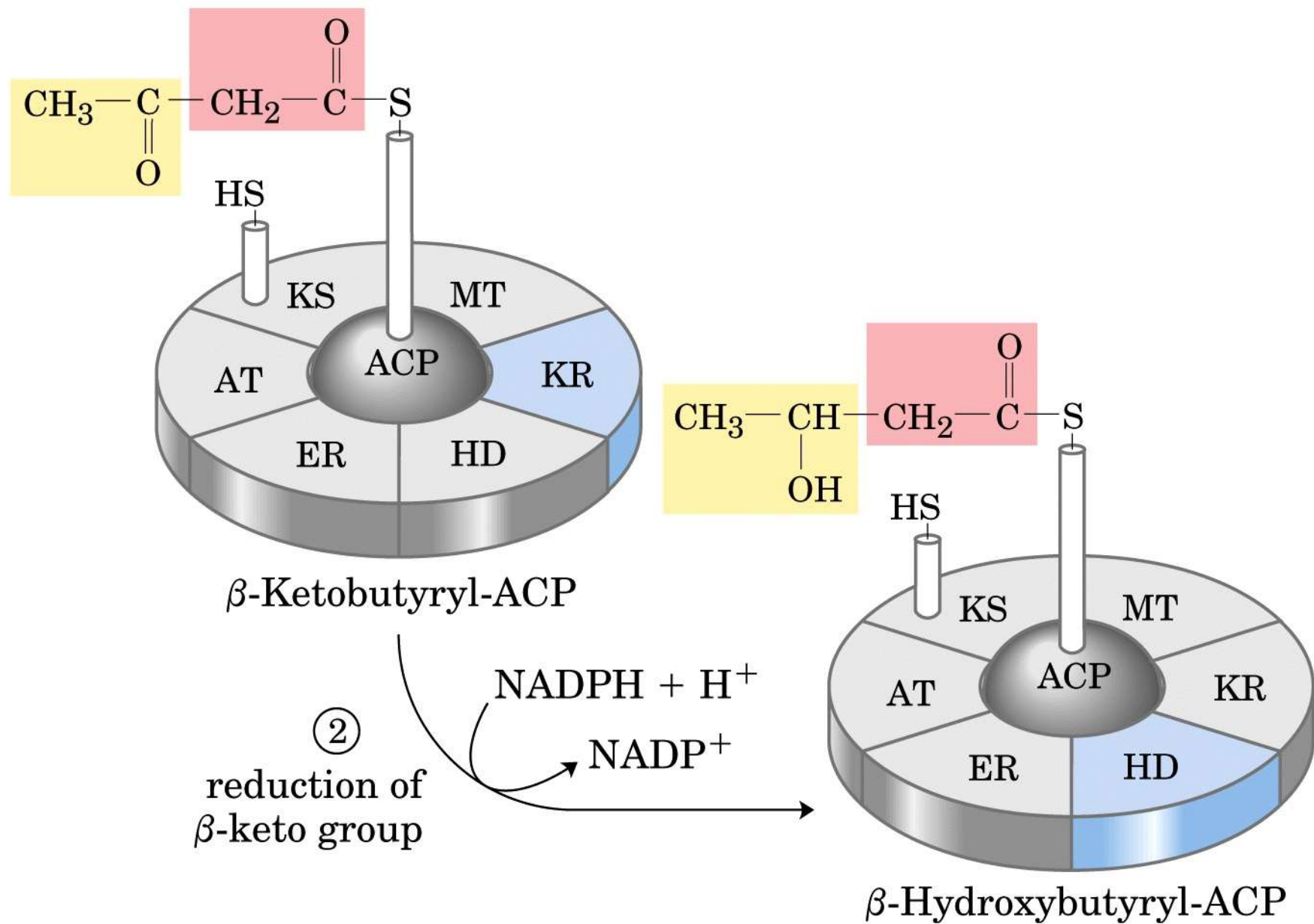
Saturated acyl group,
lengthened by two carbons

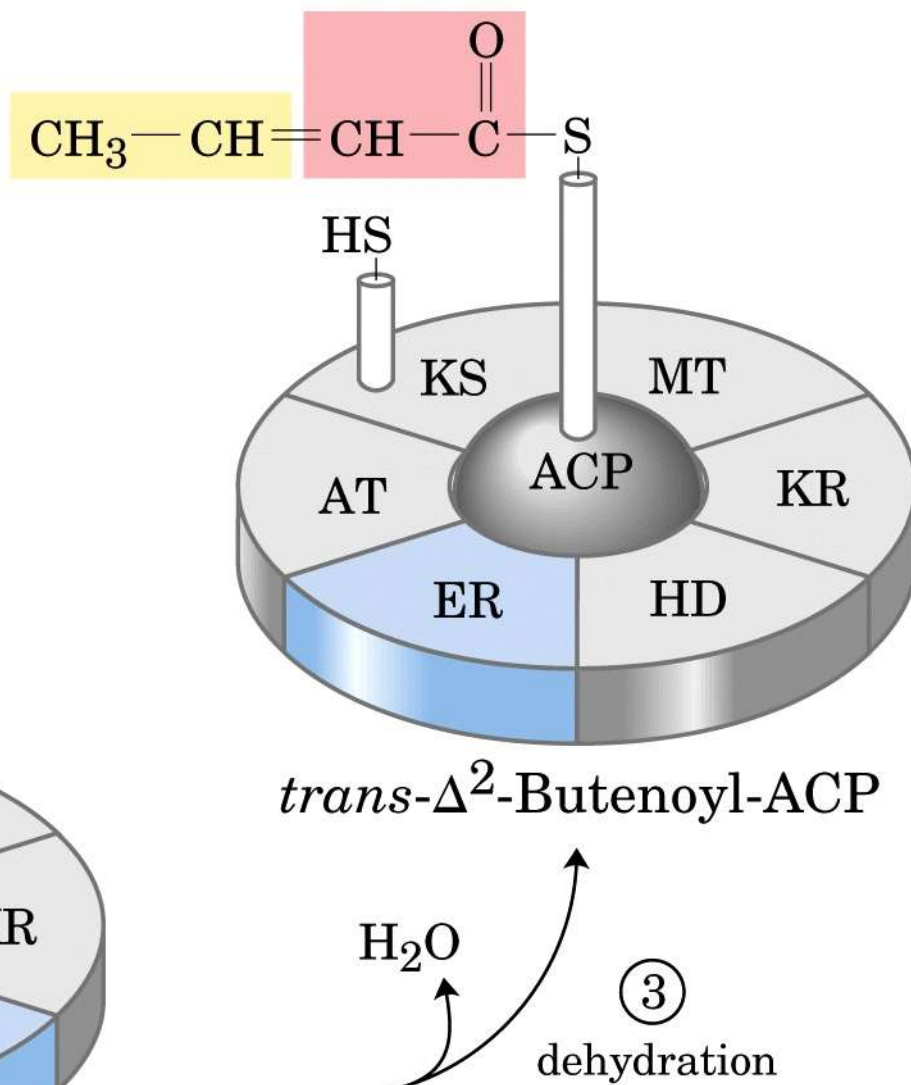
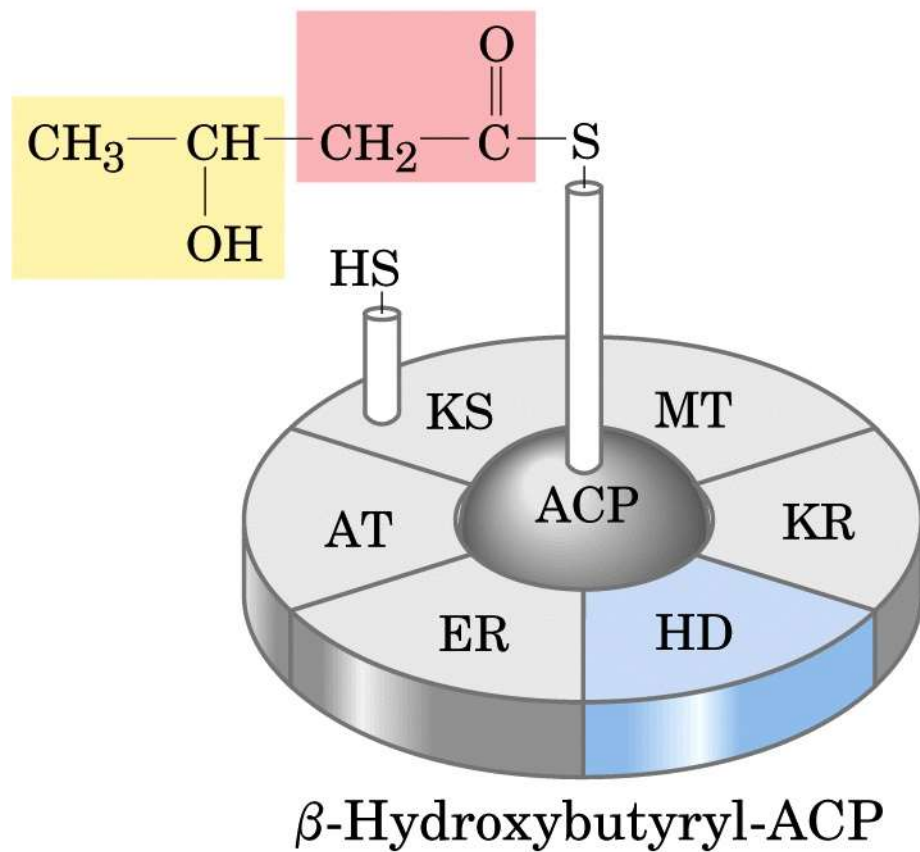
Sequência de eventos durante a síntese de um ácido graxo

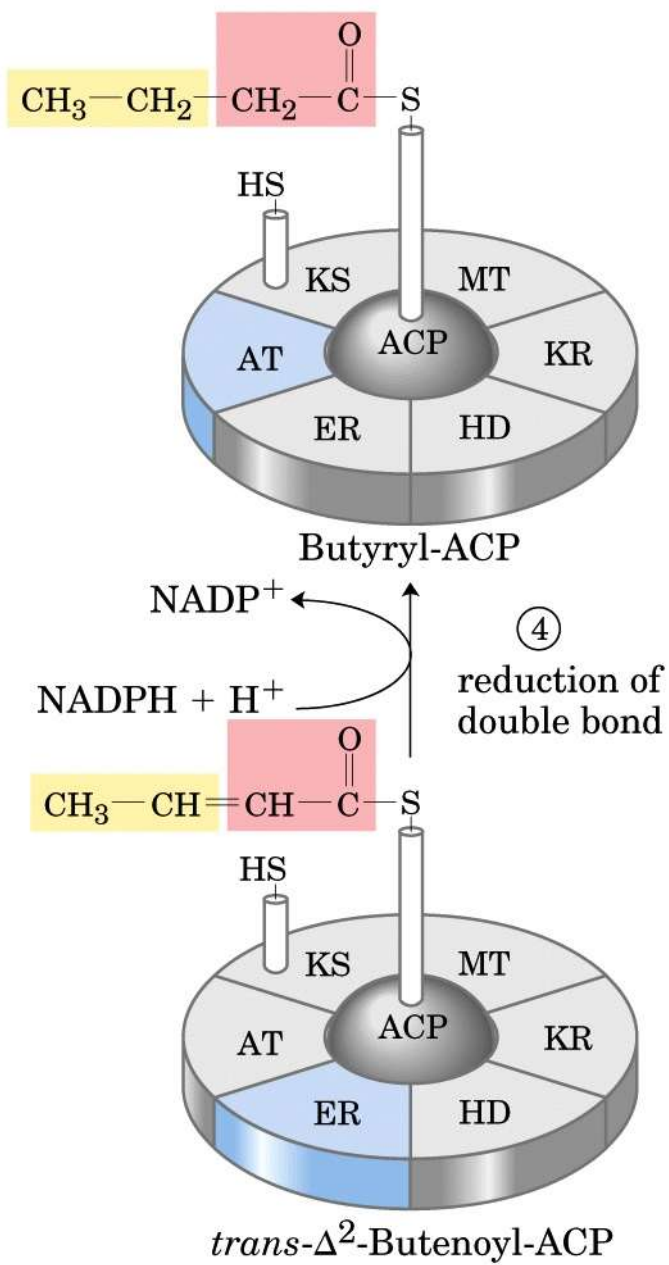


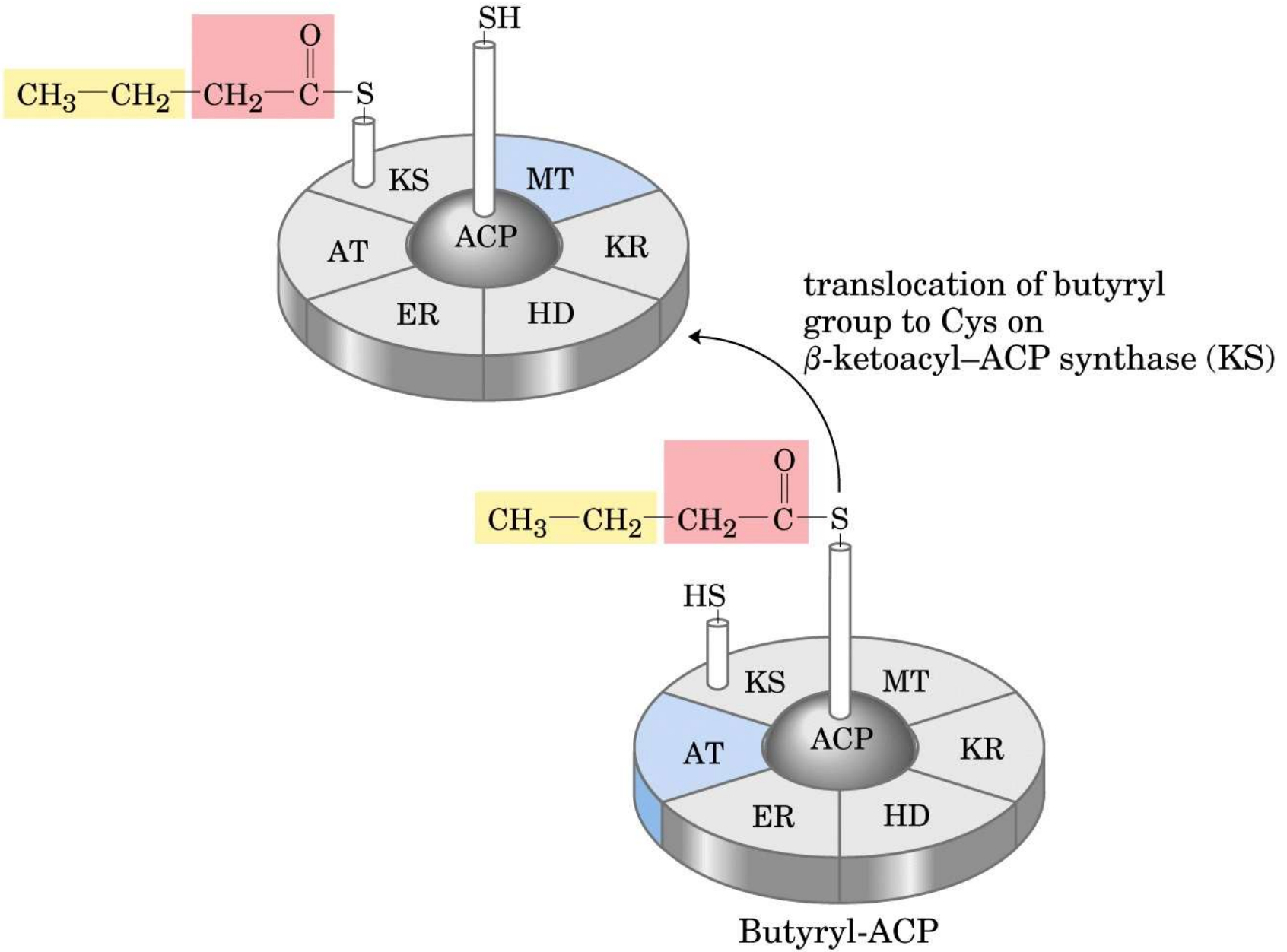


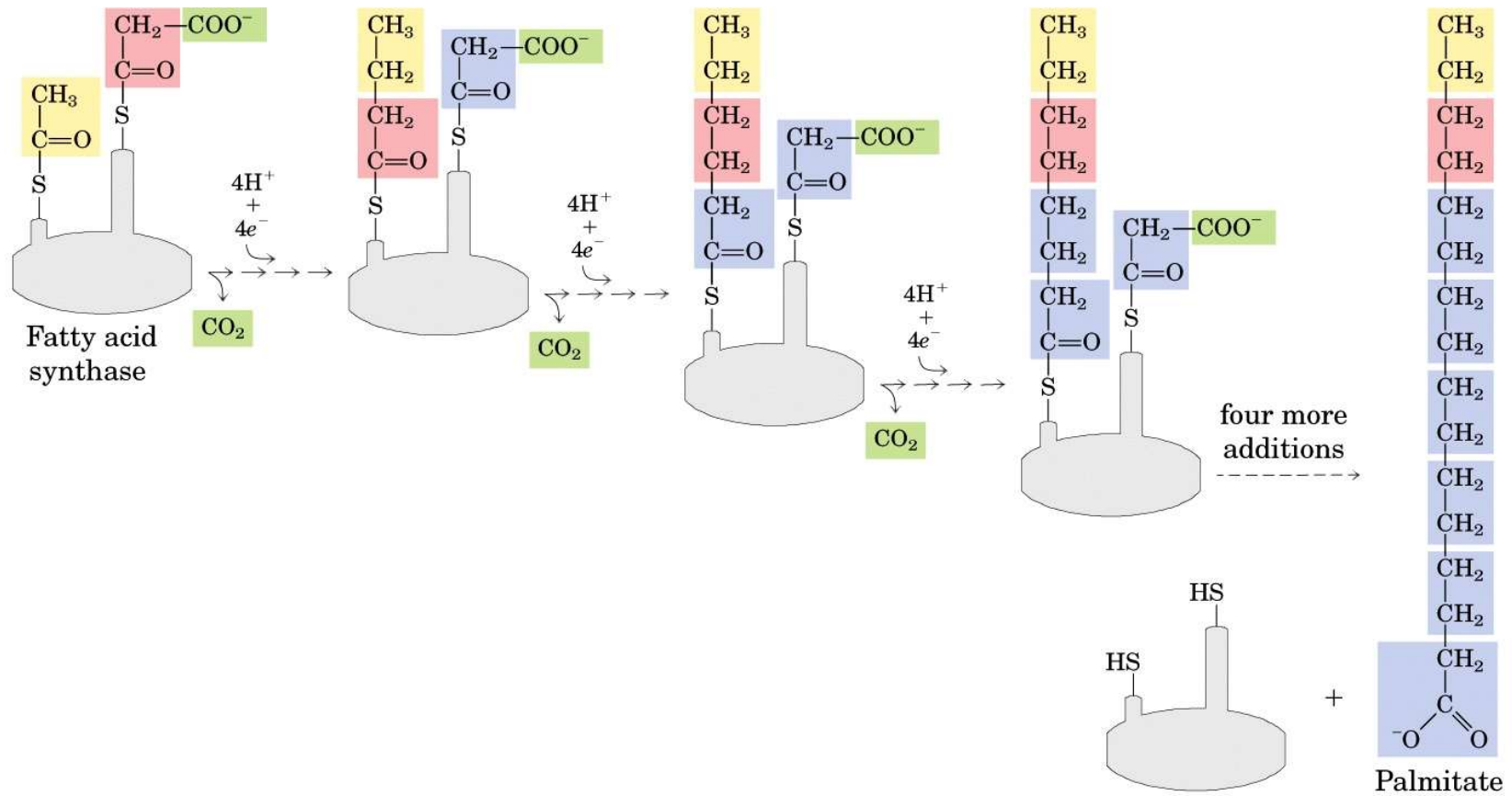




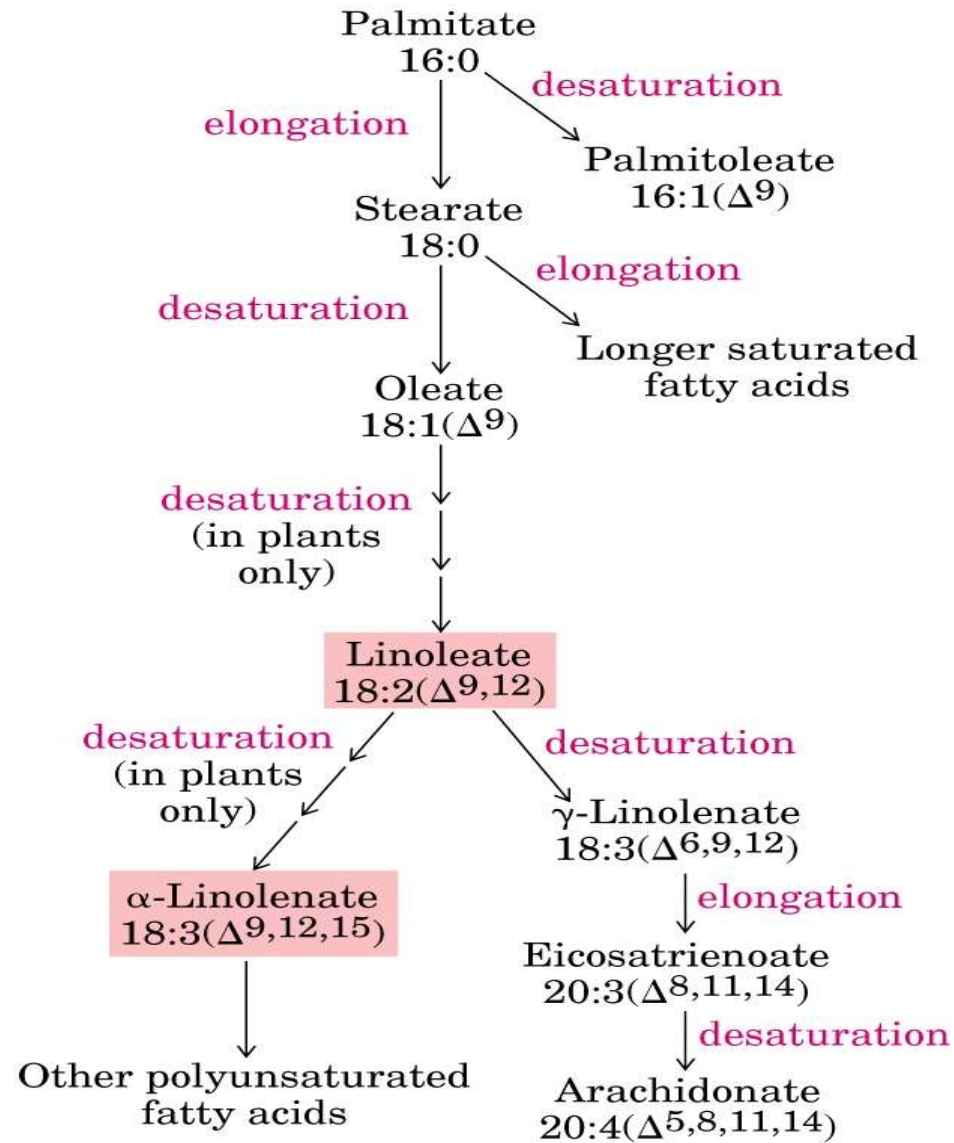








Biossíntese de outros ácidos graxos



Dessaturação de outros ácidos graxos

