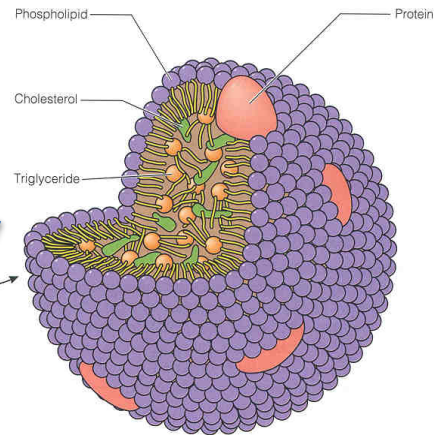


TAG
 ↓
 Glycerol + Fatty Acids
 ↓
 TAG (packaged into chylomicrons)



Adipose

Muscle and Heart

Liver (Chylomicron remnants)



Fatty acids + Glycerol (glycolysis)

Fatty acids + Glycerol

Fatty acids + Glycerol

Acetyl-CoA

Acetyl-CoA

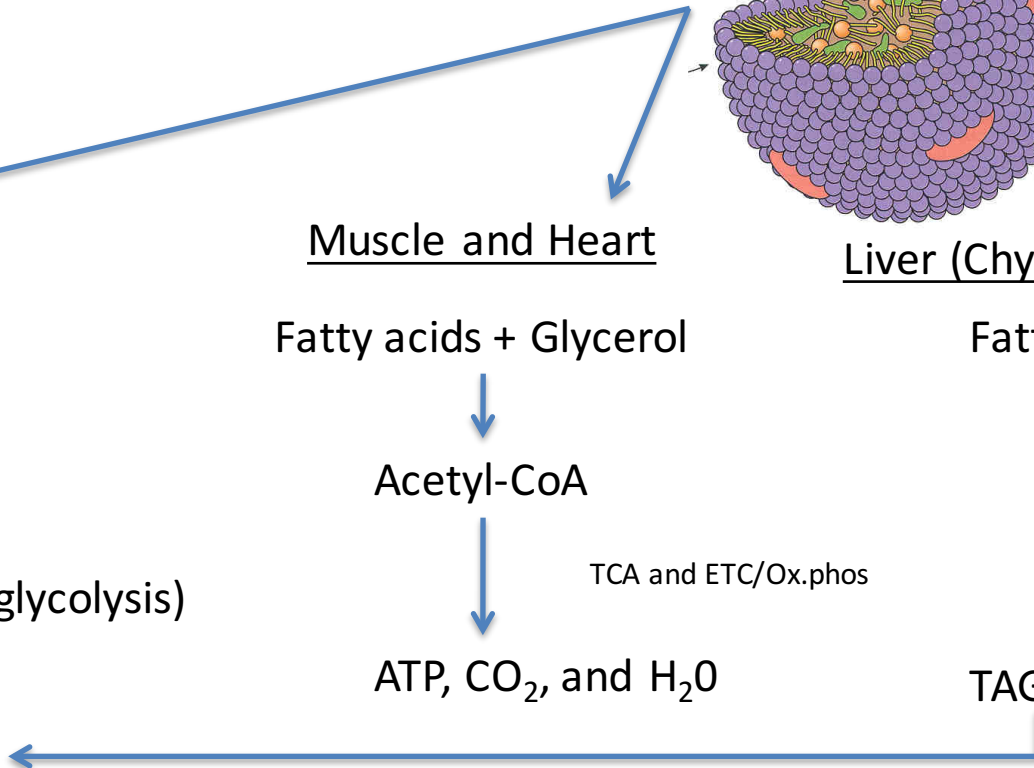
TCA and ETC/Ox.phos

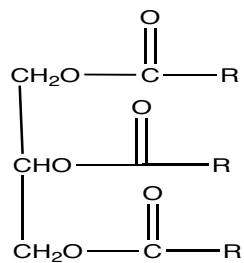
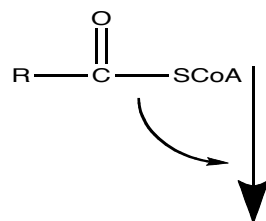
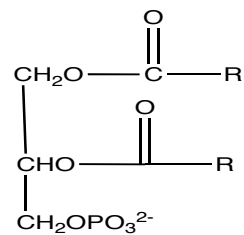
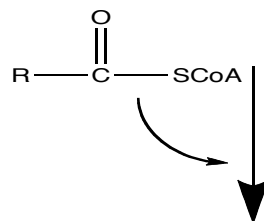
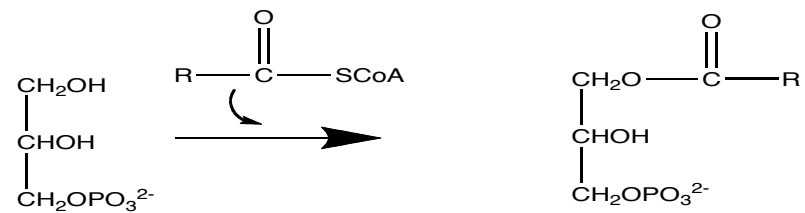
ATP, CO₂, and H₂O

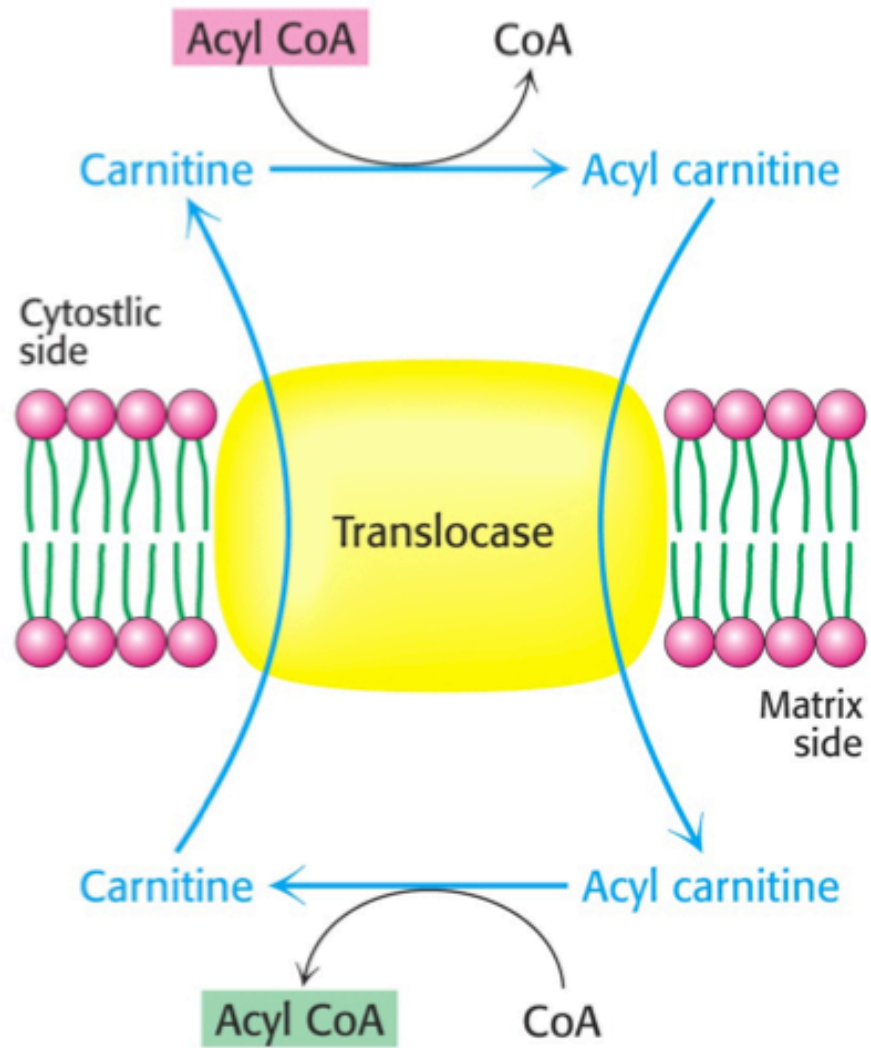
TAG (VLDL)

Ketone bodies

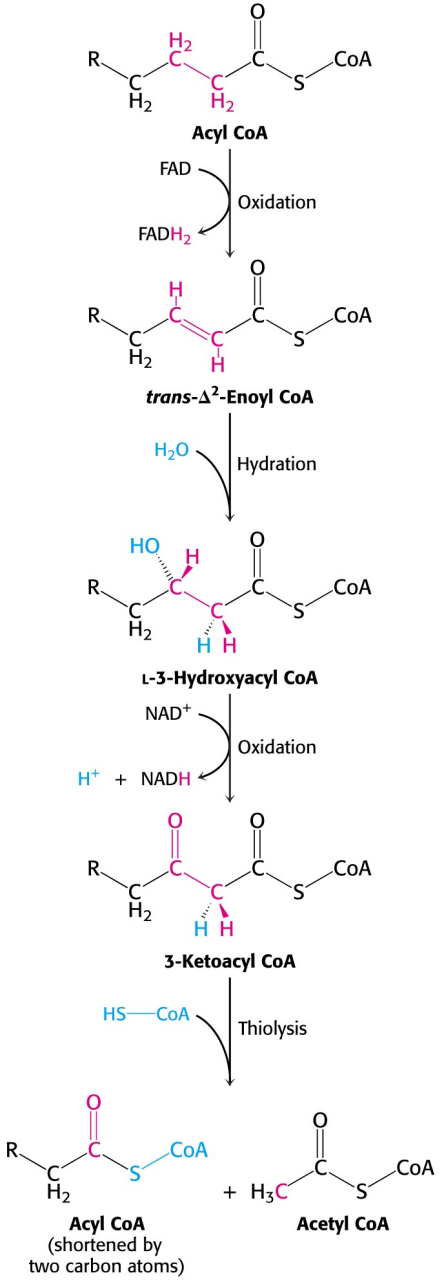
TAG (storage)

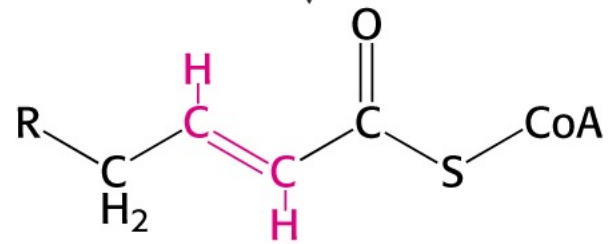
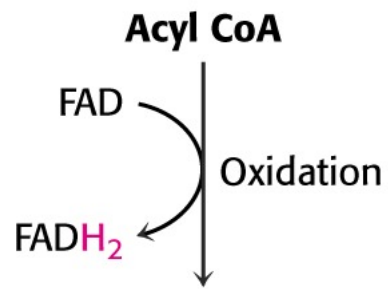
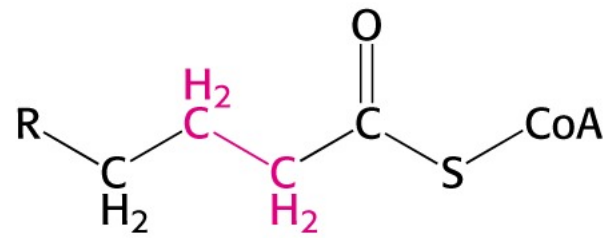




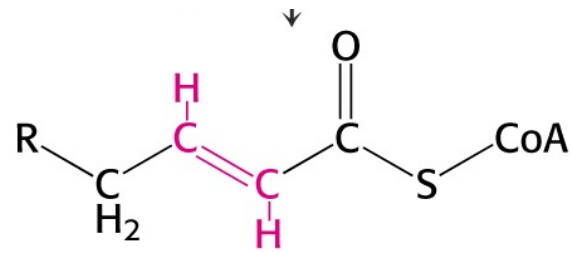


β-Oxidation:

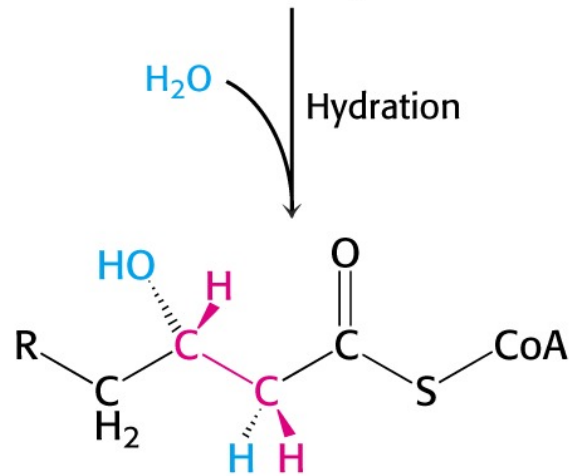




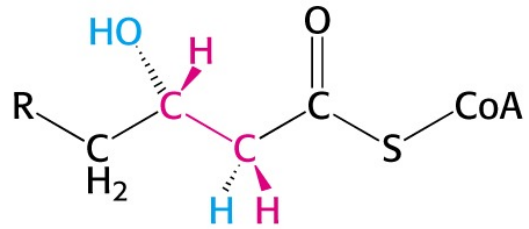
***trans*-Δ²-Enoyl CoA**



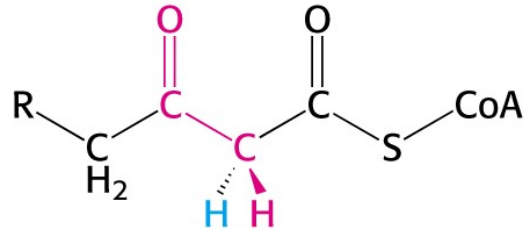
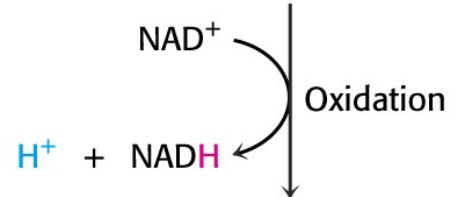
***trans*- Δ^2 -Enoyl CoA**



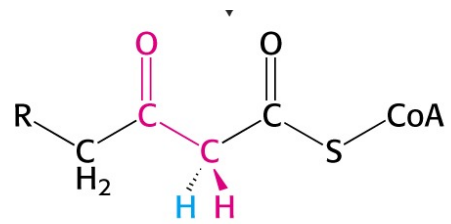
L-3-Hydroxyacyl CoA



L-3-Hydroxyacyl CoA



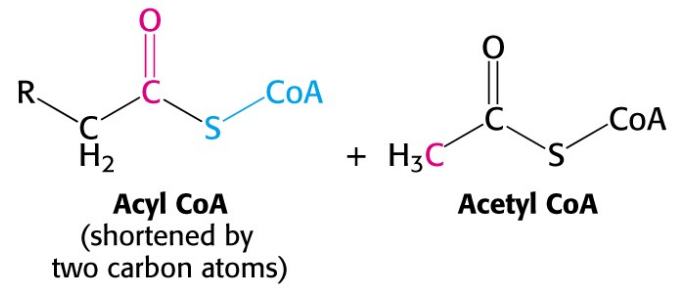
3-Ketoacyl CoA



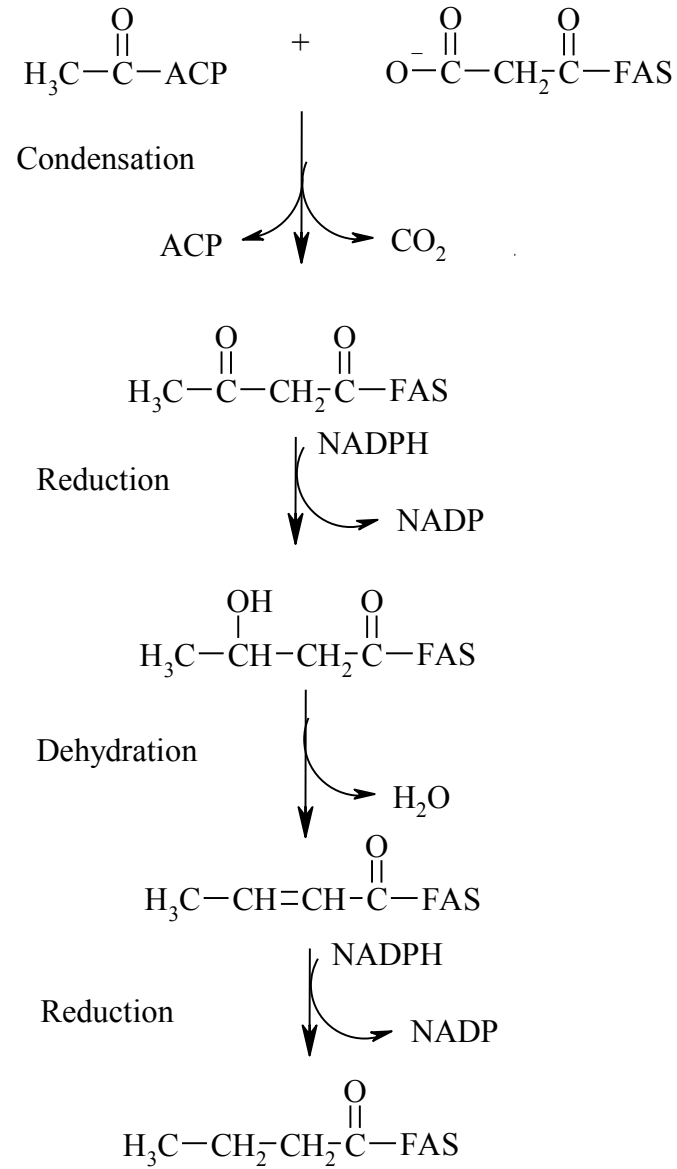
3-Ketoacyl CoA



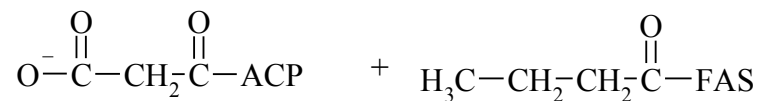
Thiolysis



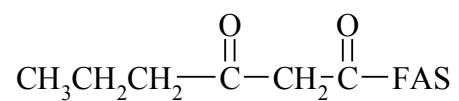
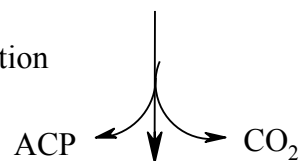
Lipogenesis-1st Round



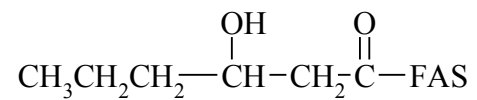
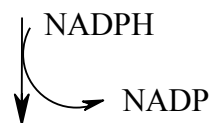
Lipogenesis-Subsequent Rounds



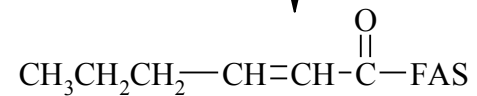
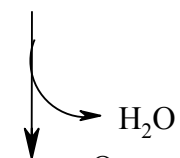
Condensation



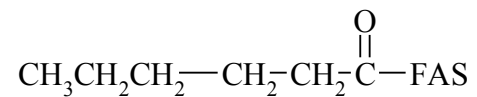
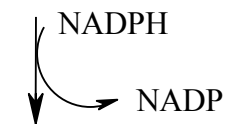
Reduction

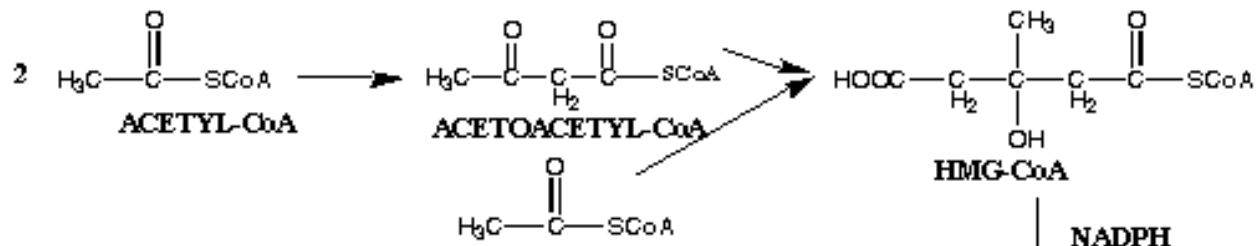


Dehydration

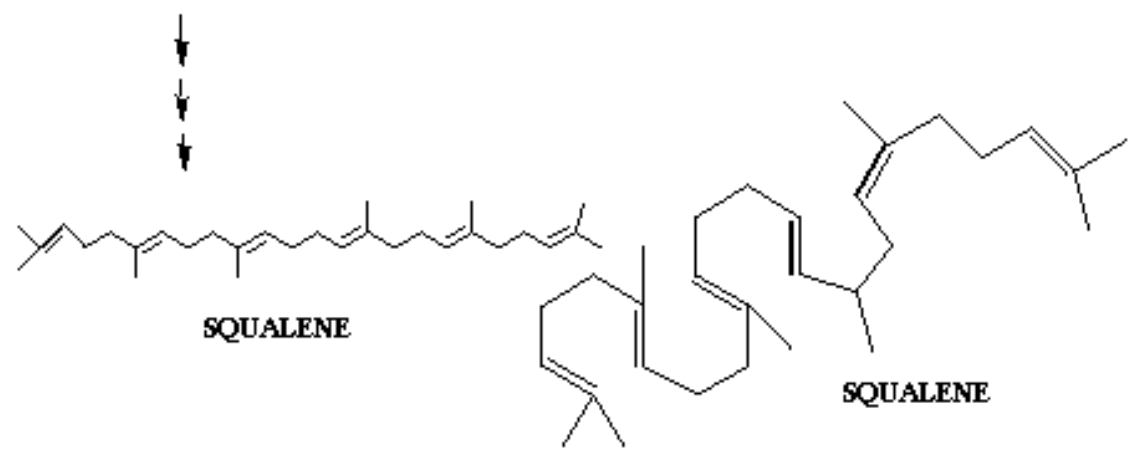
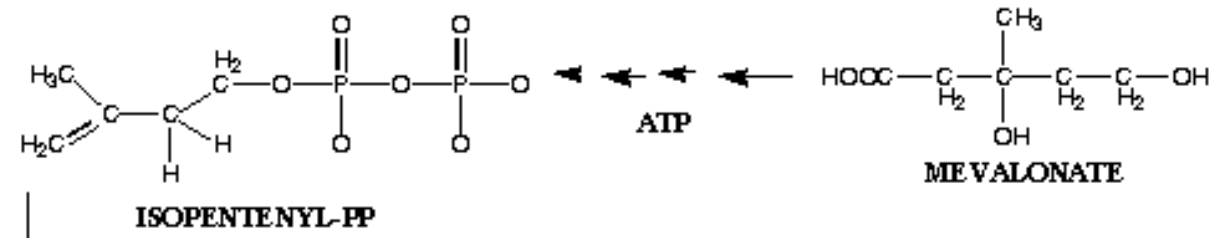


Reduction





NADPH



TERPENES
CAROTENE
VITAMIN A
VITAMIN K

CHOLESTEROL