What can happen when a cow mobilizes fat?

Fat stores (adipose tissue) = lipid = triacylglyceride (TAG)

Esterification

Non esterified fatty acid (NEFA)

Glycerol

Fat absorbed from gut

Via blood to liver

NEFAs

VLDLs

Very low density lipoproteins

TAG

Ketones

Fat deposits normally exported back out of liver. If VLD formation restricted, eg early lactation, then fat accumulates in liver causing a fatty liver.