

# Energy metabolism

Continuous regeneration of macroergic compounds is necessary for life. It serves as a source of free energy for the course of endergonic reactions. Their formation begins with the breakdown of high-molecular substances. These are then converted to basic intermediates, such as Acetyl-CoA. They are further oxidized during aerobic metabolism in the citrate cycle and the resulting reduced coenzymes ( $\text{NADH} + \text{H}^+$  and  $\text{FADH}_2$ ) are used in the respiratory chain to create ATP. (FBLT) }}

 *For more information see Respiratory Chain and ATP Generation (FBLT) .*