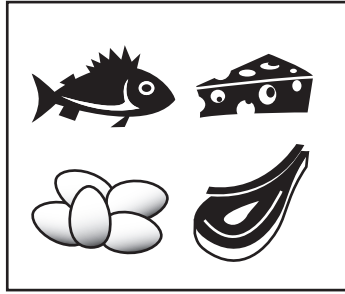
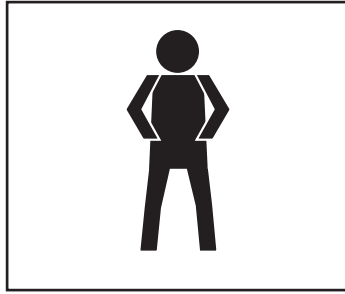


Methylmalonic Acidemia with Homocystinuria (MMA+HCU)

Normal



Protein from food



Protein from muscles

Amino Acids

Isoleucine
Valine
Methionine
Threonine

Other
amino acids

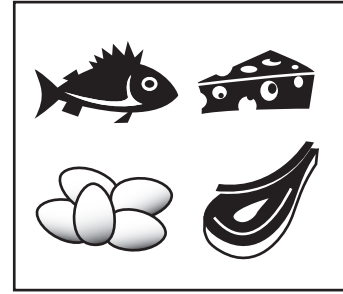
Essential
enzymes

+ Vitamin B12

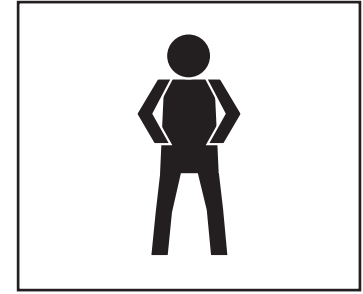
Energy

Growth

MMA+HCU



Protein from food



Protein from muscles

Amino Acids

Isoleucine
Valine
Methionine
Threonine

Other
amino acids

~~Essential
enzymes~~

+ Vitamin B12

Energy

Growth

Build-up of homocysteine,
methylmalonic acid +
other harmful substances

**Health
Problems**