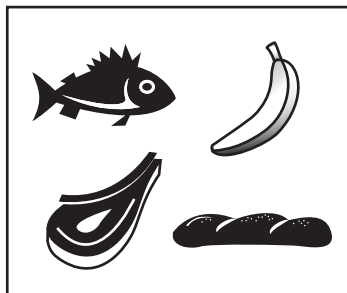
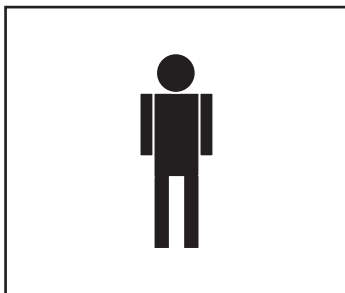


Holocarboxylase Synthetase Deficiency HCS

Normal

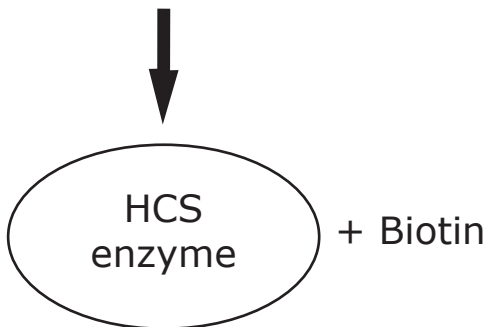


Protein and
carbohydrates
from food



Protein and
carbohydrates
from body stores

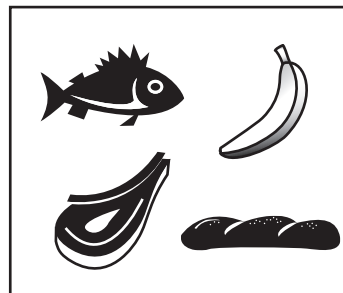
Amino Acids + Simple Sugars



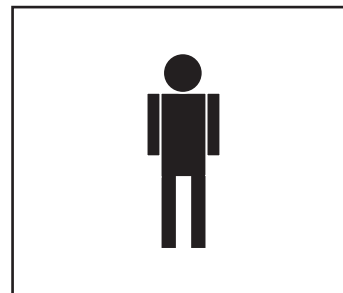
Energy

Growth

HCS

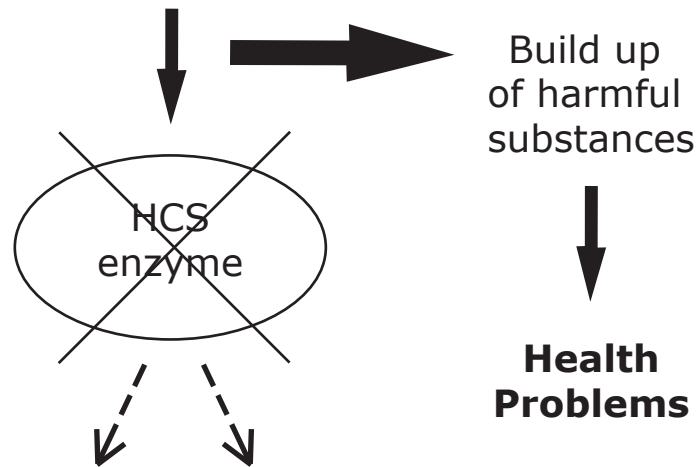


Protein and
carbohydrates
from food



Protein and
carbohydrates
from body stores

Amino Acids + Simple Sugars



Energy

Growth

Build up
of harmful
substances

**Health
Problems**