

Complex Organic Compounds
Carbohydrates, Fats, Proteins

HYDROLYSIS

Oligo-/Monosaccharides
Fatty Acids
Peptides/Animo Acids

ACIDOGENESIS

Organic Acids
Hydrogen
Carbon Dioxide

ACETOGENESIS

Acetate
Hydrogen
Carbon Dioxide

METHANOGENESIS

Methane
Carbon Dioxide

During acidogenesis, some monomers and oligomers are converted directly into substrates methanogenic bacteria use (acetate, hydrogen and carbon dioxide). These compounds are used directly after acidogenesis and skip acetogenesis.

