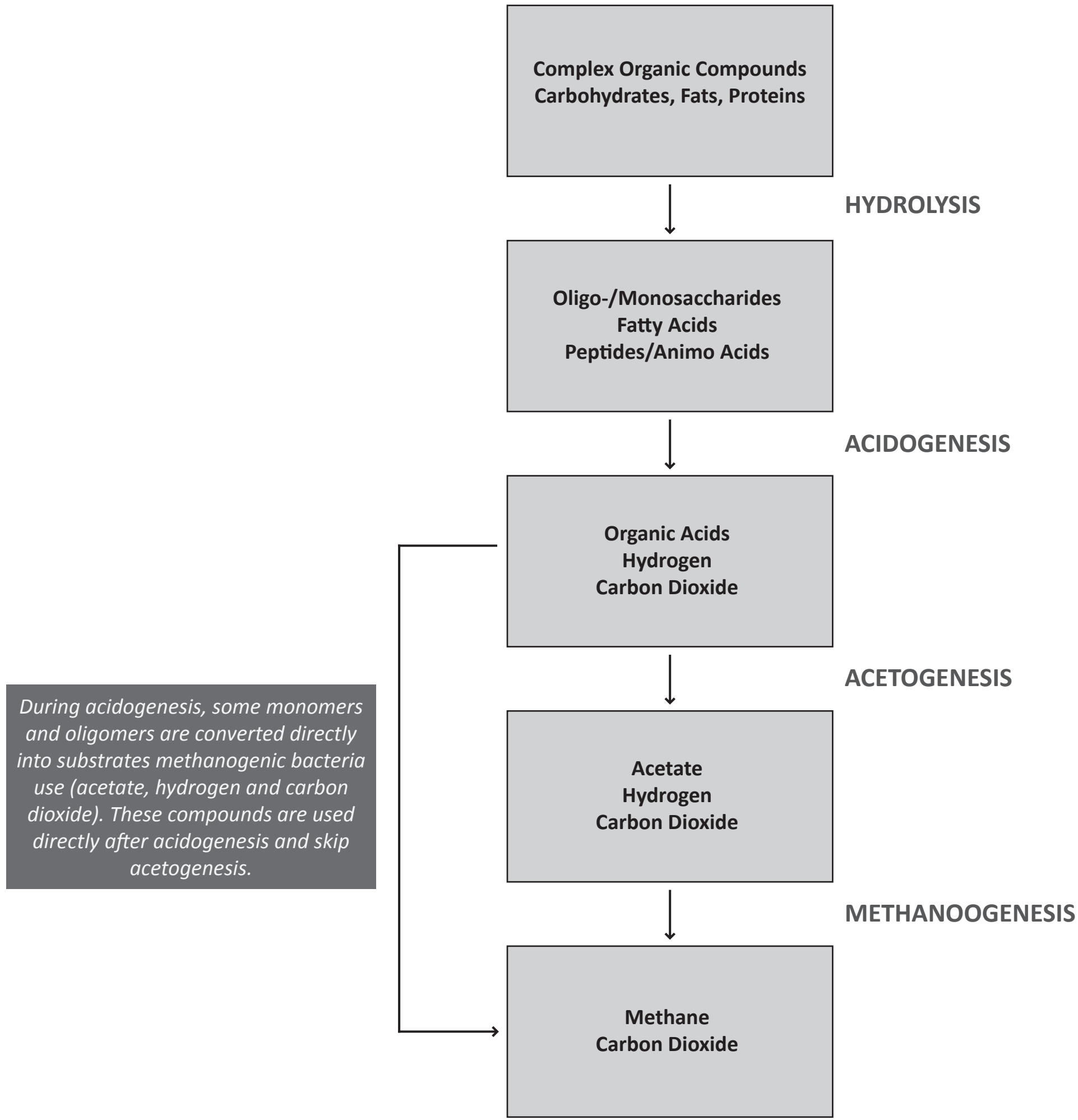
Complex Organic Compounds
Carbohydrates, Fats, Proteins
HYDROLYSIS
Oligo-/Monosaccharides
Fatty Acids
Peptides/Animo Acids
ACIDOGENESIS
Organic Acids
Hydrogen
Carbon Dioxide
ACETOGENESIS
Acetate
Hydrogen
Carbon Dioxide
METHANOOGENESIS
Methane
Carbon Dioxide
During acidogenesis, some monomers and oligomers are converted directly into substrates methanogenic bacteria use (acetate, hydrogen and carbon dioxide). These compounds are used directly after acidogenesis and skip acetogenesis.