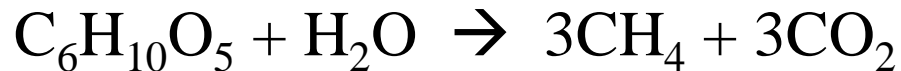


Chemistry of Catalytic Hydrothermal Gasification

Partial equations:



The overall stoichiometry is then:



Note: Feedstocks contain many molecular structures, including carbohydrates, proteins, etc. The actual gas products will usually contain a small amount of hydrogen and ethane as well as methane and carbon dioxide.