*Steam cracking of petroleum fractions*

*Catalytic cracking of petroleum fractions*

*Substitution reactions*

*Addition reactions*

*Hydrogenation:*

*Hydration:*

*Halogenation:*

*Hydrohalogenation:*

*Polymerisation:*

*Condensation Polymerisation of Cellulose:*

*Fermentation of Glucose:*

*Ethene* ⇌ *Ethanol:*

*Hydration:*

*Dehydration:*

*Electrochemistry Reactions:*

*Nuclear Radiations:*

*Alpha:*

*Beta:*

*Gamma:*

*Radiation-Decays:*

*Alpha-Decay:*

*Beta-Decay:*

*Gamma-Decay:*

*Positron Emission:*

*Origins of Beta-Decay:*

*Beta-Decay:*

*Positron Emission:*

*Pair Annihilation:*

*Neutron Bombardment:*

*Producing Americium:*

*Fission of Uranium-235:*

*Production of Technetium-99m:*

*Production of Cobalt-60:*

*General Reaction of a Buffer:*

*Blood as a Buffer:*

*Haber Process:*

*Uses of Ammonia:*

*Esterification:*

*Sulfuric Acid:*

*Sulfuric Acid as a Dehydrant:*