

Name reactions – The Basis of Organic Chemistry

You will find the details of the mechanism in text books or the following web sites:

<http://www.organic-chemistry.org/frames.htm?http://www.organic-chemistry.org/namedreactions/> or

http://www.chemlin.de/chemistry/name_reactions.htm or

<http://www.tomchemie.de/Reaktionsmechanismen/reaktionsmechanismen.htm>

Acetoacetic Ester Synthesis	Knoevenagel Condensation
Acyloin Condensation	Kolbe Reaction
Aldol Addition + Aldol Condensation	Kolbe-Schmitt Reaction
Appel Reaction	Kumada–Negishi Coupling
Arbuzov Reaction = Michaelis-Arbuzov Reaction	
Arndt-Eistert Synthesis	Leuckart–Wallach (Leuckart) Reaction
Azo Coupling	
	Malonic Ester Synthesis
Baeyer-Villiger Oxidation	Mannich Reaction
Balz-Schiemann Reaction = Schiemann Reaction	Markovnikov's Rule
Bamford-Stevens Reaction	McMurry Reaction
Barton Decarboxylation	Meerwein-Ponndorf-Verley Reduction
Barton-McCombie Reaction (Barton Desoxygenation)	Michael Addition
Baylis-Hillman Reaction	Mitsunobu Reaction
Beckmann Rearrangement	Mukaiyama Aldol Addition
Benzilic Acid Rearrangement	
Benzoin Condensation	Negishi Coupling
Bergman Cyclization	Norrish-Type I and II
Birch Reduction	Nozaki-Hiyama Coupling
Bouveault-Blanc Reduction	Nucleophilic Substitution (S _N 1 / S _N 2)
Buchwald-Hartwig Cross Coupling Reaction	
	Oppenauer Oxidation
Cadiot-Chodkiewicz Coupling	Oxy-Cope Rearrangement
Cannizzaro Reaction	
Chugaev Reaction	Paterno-Büchi Reaction
Claisen Condensation	Pauson-Khand Reaction
Claisen Rearrangement	Perkin Reaction
Clemmensen Reduction	Peterson Olefination
Cope Elimination	Pinacol Coupling Reaction
Cope Rearrangement	Pinacol Rearrangement
Corey-Seebach Reaction	Prilezhaev Epoxidation
Criegee Reaction	Reformatsky Reaction
Curtius Rearrangement	Ritter Reaction
	Robinson Annulation
Delépine Reaction	Rosenmund Reduction
De Mayo Reaction	
Dess-Martin Oxidation	Sakurai Reaction (Hosomi Sakurai)
Diazotisation and Azo Coupling	Sandmeyer Reaction
Dieckmann Condensation	Sanger's Reagent
Diels-Alder Reaction	Saytzeff's Rule
Di- π -Methane Rearrangement	Schiemann Reaction
Dötz Reaction	Schmidt Reaction
	Schotten-Baumann Reaction
Eglinton Reaction	Sharpless Epoxidation and Dihydroxylation
Ene Reaction = Alder-Ene Reaction	
Jacobsen Epoxidation	Simmons-Smith Reaction
Ester Pyrolysis	Sonogashira Coupling
	Staudinger Reaction
Favorskii Reaction	Stille Coupling
Finkelstein Reaction	Strecker Synthesis
Friedel-Crafts Acylation	Suzuki Coupling
Friedel-Crafts Alkylation	Swern Oxidation
Gabriel Synthesis	Tebbe Olefination
Gattermann-Koch Reaction	Thorpe Reaction
Glaser Coupling and Hay Coupling	Tishchenko Reaction
Grignard Reaction	
Grob Fragmentation	Ullmann Reaction
Grubbs Olefin Metathesis	Vilsmeier Reaction
Haloform Reaction	Wacker-Tsuji Oxidation
Heck Reaction	Willgerodt-Kindler Reaction
Hell-Volhard-Zelinsky Reaction	Williamson Synthesis
Henry Reaktion	Wittig Olefination
Hofmann Elimination	Wittig Rearrangement
Hofmann's Rule	Wittig-Horner Reaction
Horner-Wadsworth-Emmons Reaction	Wohl-Ziegler Reaction
Hunsdiecker Reaction	Wolff Rearrangement
Hydroboration	Wolff-Kishner Reduction
	Wurtz Reaction
Ireland-Claisen Rearrangement	Wurtz-Fittig Reaction