

Class	General Reaction	Example
Oxidoreductase	$A^- + B \rightarrow A + B^-$	Cytochrome oxidase
Transferase	$A-X + B \rightleftharpoons A + B-X$	Acetate kinase
Hydrolase	$A-B + H_2O \rightleftharpoons A-H + B-OH$	Lipase
Lyase	$A-B \rightleftharpoons A + B$	Isocitrate lyase
Isomerase	$A \rightleftharpoons A'$	Triphosphosphate isomerase
Ligase	$A + B + ATP \rightleftharpoons A-B + ADP + P_i$	DNA ligase