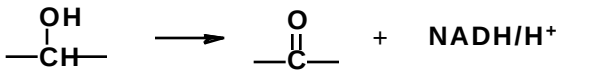
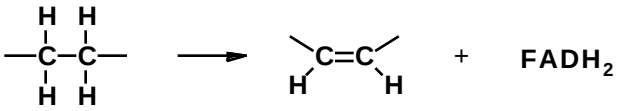
REACTION TERMINOLOGY FOR ENZYME NAMING

OXIDOREDUCTASES

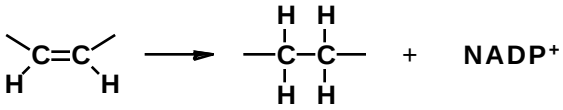
Dehydrogenases (Coenzyme: **NAD⁺**)

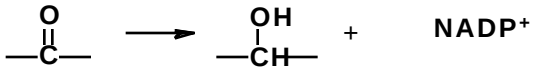


Dehydrogenases (Coenzyme: **FAD**)



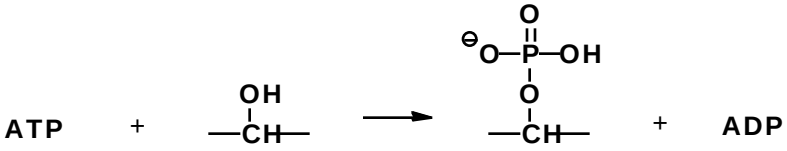
Reductases (Coenzyme: **NADPH/H⁺**)



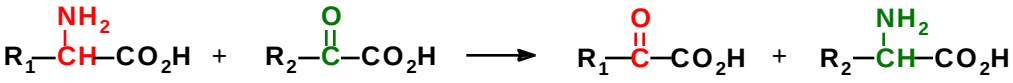


TRANSFERASES

Kinases (phosphotransferases) (Coenzyme: **ATP** Cofactor: **Mg⁺²**)



Aminotransferases (Coenzyme: **PLP**)



HYDROLASES (catalyze hydrolysis)

glycosidases	hydrolyze saccharide linkages
peptidases	hydrolyze protein or peptide amide linkages
lipases	hydrolyze fat or membrane lipid ester linkages
phosphatases	hydrolyze phosphoester linkages to release phosphate
nucleases	hydrolyze nucleic acid phosphoester linkages