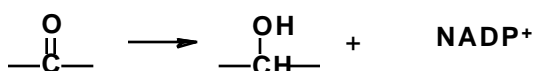
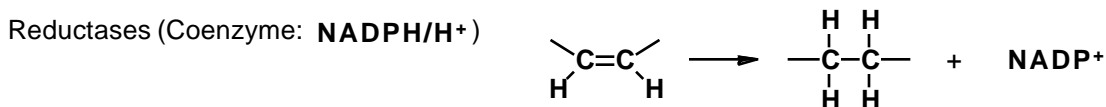
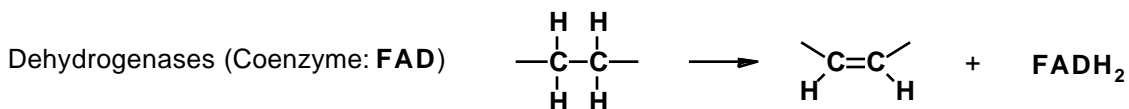
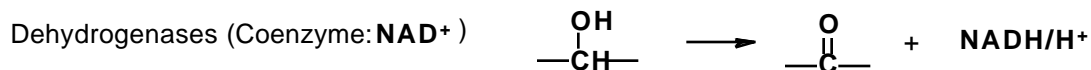
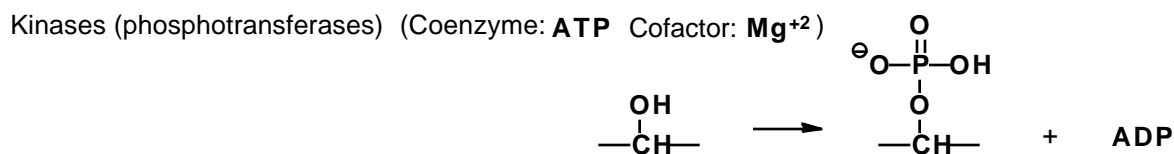


REACTION TERMINOLOGY FOR ENZYME NAMING

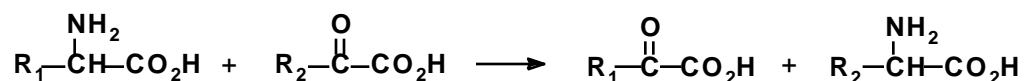
OXIDOREDUCTASES



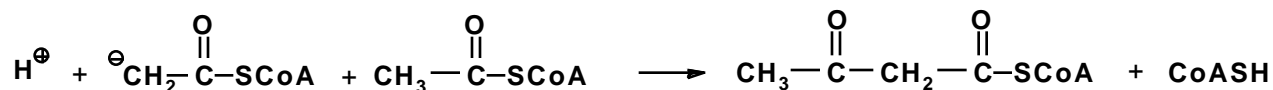
TRANSFERASES



Aminotransferases (Coenzyme: **PLP**)



Thiolasas (acyltransferases) (Coenzyme: **CoASH**)



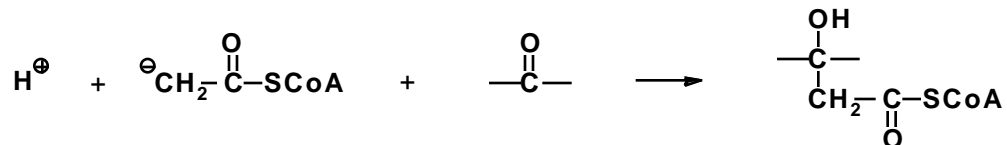
HYDROLASES (catalyze hydrolysis)

| | |
|--------------|--|
| glycosidases | hydrolyze acetal linkages |
| peptidases | hydrolyze amide linkages |
| lipases | hydrolyze ester linkages |
| phosphatases | hydrolyze phosphoester linkages to release phosphate |
| nucleases | hydrolyze phosphoester linkages |

REACTION TERMINOLOGY FOR ENZYME NAMING

LYASES

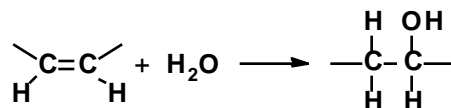
Synthases (Coenzyme: **CoASH**)



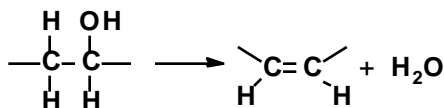
Decarboxylases (Coenzyme: **TPP**)



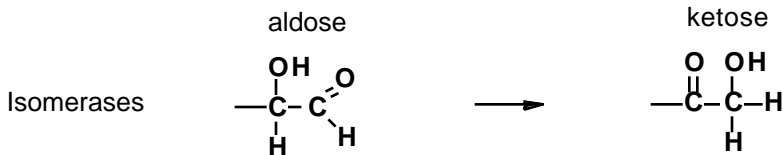
Hydratases



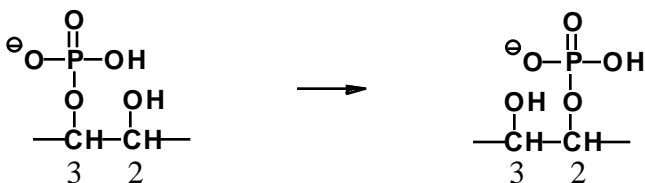
Dehydratases



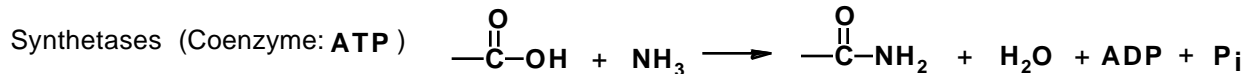
ISOMERASES



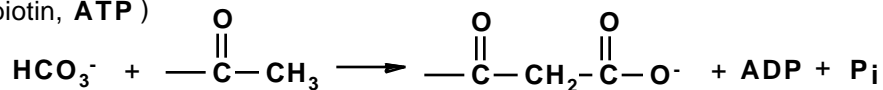
Mutases



LIGASES



Carboxylases (Coenzymes: biotin, **ATP**)



Polymerases

