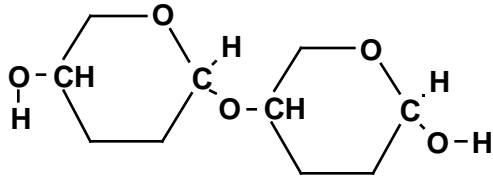
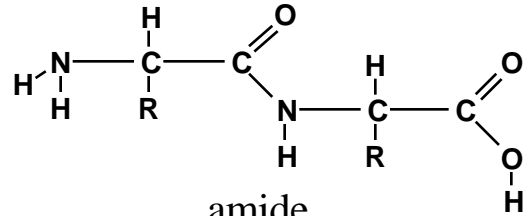


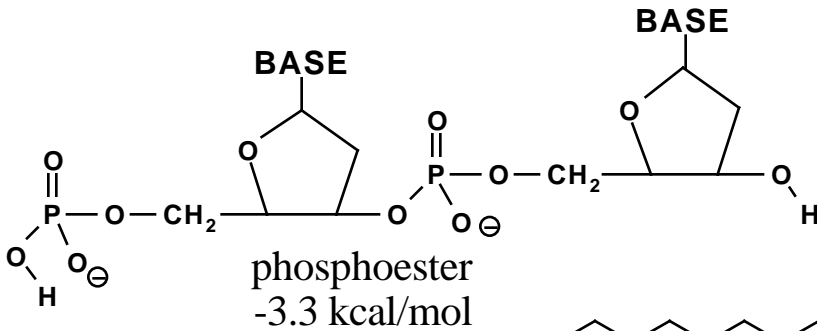
G^0 for Hydrolysis/Condensation of Linkages



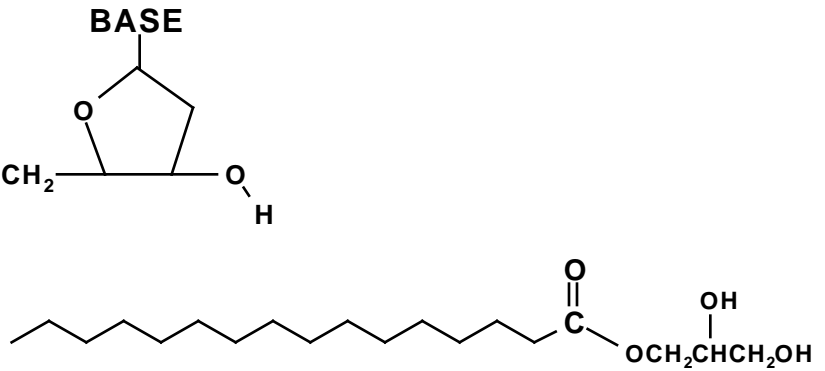
glycoside
-4.0 kcal/mol



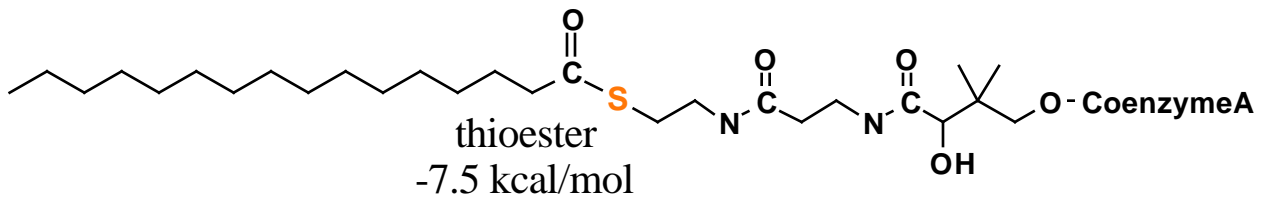
amide
-4.8 kcal/mol



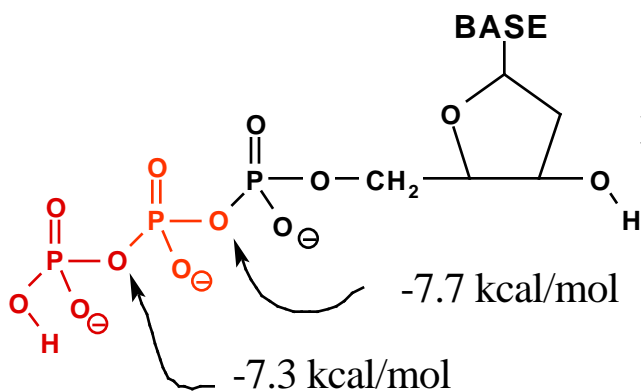
phosphoester
-3.3 kcal/mol



ester
-4.7 kcal/mol



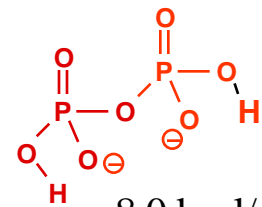
thioester
-7.5 kcal/mol



-7.7 kcal/mol

-7.3 kcal/mol

phosphoanhydrides



-8.0 kcal/mol