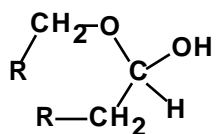
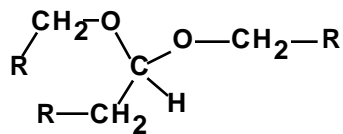


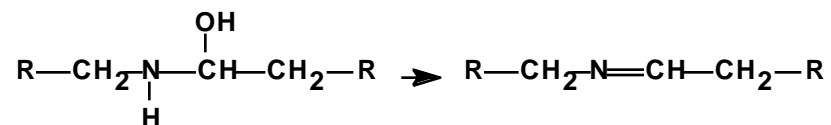
# LINKAGES FROM NUCLEOPHILIC ADDITION OR SUBSTITUTION



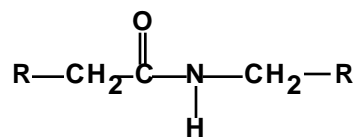
hemiacetal



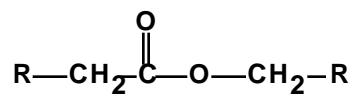
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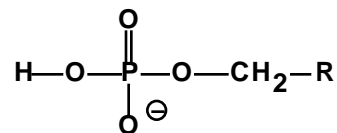
Schiff base (aldimine)



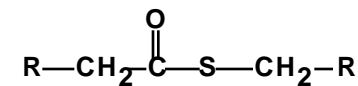
amide linkage



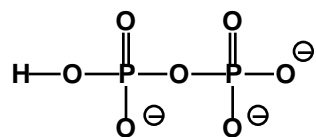
ester



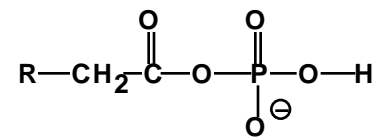
phosphoester



thioester



phosphoanhydride



acyl phosphate