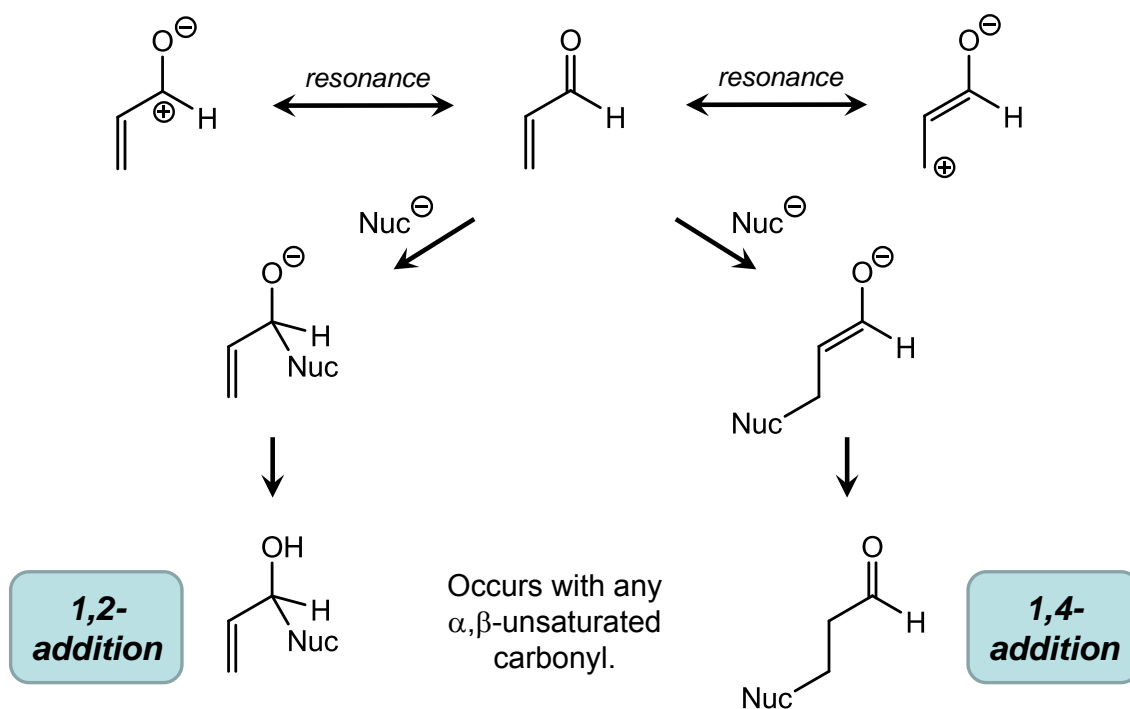


Conjugate Addition to α,β -Unsaturated Ketones



Conjugate Addition

1,2-addition nucleophiles & conditions:	1,4-addition nucleophiles & conditions:
R-Li R-MgX R-C \equiv C-Na NaBH ₄ LiAlH ₄ (strong e^- donors)	R ₂ CuLi Non-[C/H] nucleophiles ($^-$ CN, R-NH ₂ , R-S $^-$, N ₃ $^-$) (weak e^- donors)

