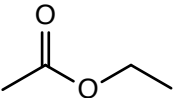
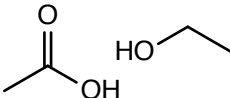
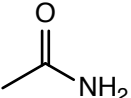
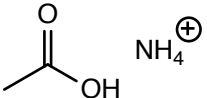
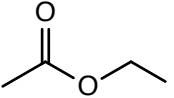
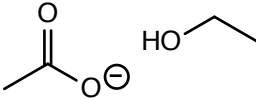

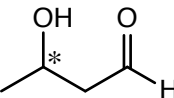
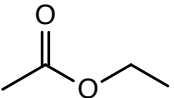
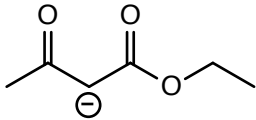
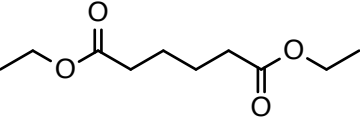
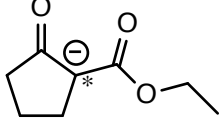
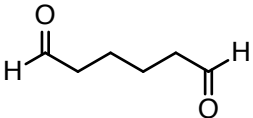
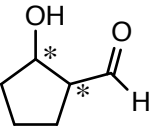
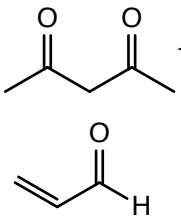
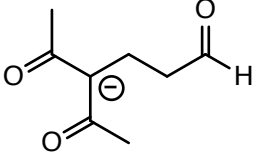
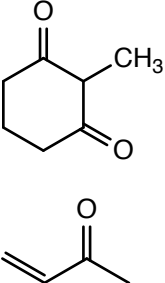
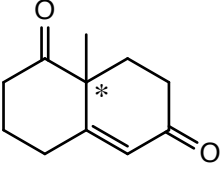


Reaction Name	Carbonyl Compound (1.0 equivalent)	Product(s) (after no workup)	Minimum amount of acid or base required
Acid catalyzed ester hydrolysis			Catalytic $\text{H}_3\text{O}^{\oplus}$
Acid promoted amide hydrolysis			1.0 equivalent $\text{H}_3\text{O}^{\oplus}$
Base promoted ester hydrolysis			1.0 equivalent HO^{\ominus}
Aldol reaction			Catalytic HO^{\ominus}
Claisen condensation			0.5 equivalent NaOEt
Dieckmann condensation			1.0 equivalent NaOEt
Cyclic aldol			Catalytic HO^{\ominus}
Michael reaction			1.0 equivalent NaOEt
Robinson reaction			Catalytic HO^{\ominus}

Deprotonates
this to make it
into the nucleophile

