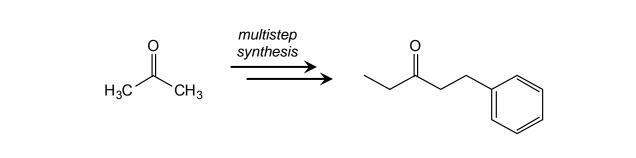
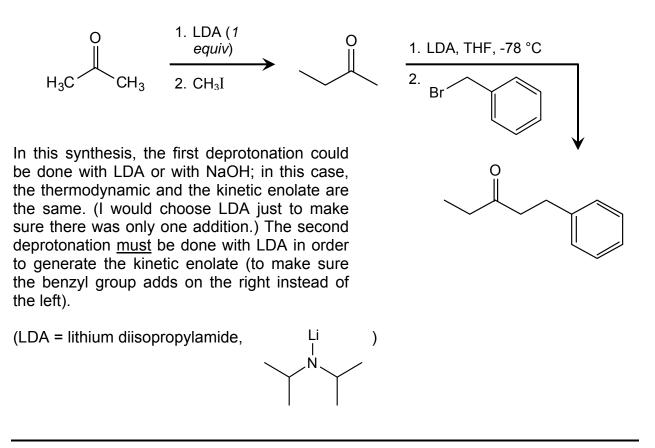
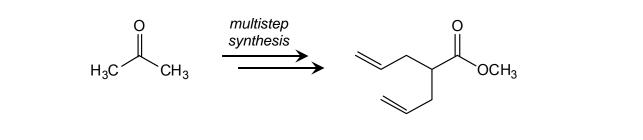
Workshop 16 Solutions Synthesis with Enolates

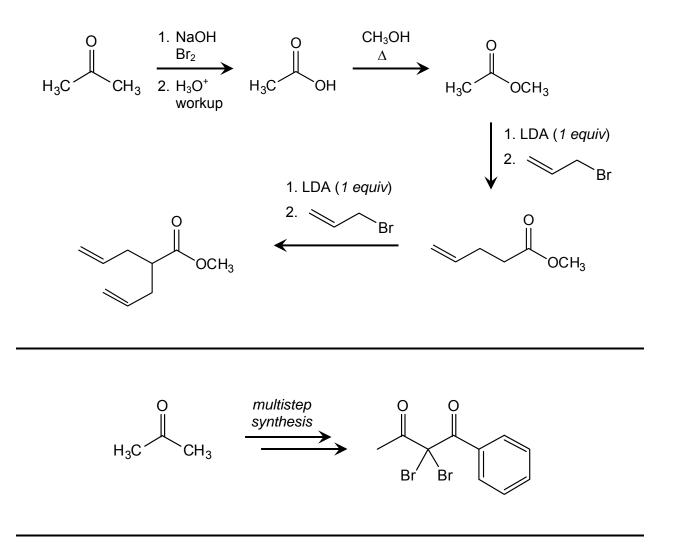


Looks like we need to put a methyl group on one side and a benzyl group on the other. We could do this in either order.





Here, we have to add two allyl groups on the left side, and convert the right side to an ester group. Once again, I think we can do this in either order. The right-hand side looks a little strange—how can you break a C-C bond?—but that can be accomplished via the haloform reaction. If we were to do that first,



We can add the benzoyl group via attack of an enolate on benzoyl chloride, and then the bromine atoms after:

