VOLUNTEER!

Tutoring Refugees to Understand English

T.R.U.E is a service organization that tutors English to refugees for one hour every week.



SCAN TO JOIN TODAY!

Strong nucleophiles react directly at the electrophilic C atom of carbonyls to make a bond as the carbony I ny bond breaks. A proton is added to the O atom.

Lesson for Today: "The Song"

MECHANISM A!











It is time for a TWIST

This is getting boring.

Wittig Reaction



2) When using Wittig reagents that have a carbony) attached to the C atom that is bonded to the PD atom - E alkenes predominate BrCH_-C-O-CH, 1) (Ph)zY: 2) n-BuL $\frac{1}{4} + (Ph)_3 P - \ddot{c}H - \dot{c} - o - cH_3$ J E product E H 1 2 0 CH_3

Detour - Hydrogenation of aldehydes and

Fatores

Hy with Pd, Pt or Ni reduces aldehydes and ketones to alcohols -> the TY bond reacts the same in C=C and C=O





We now return to our regularly scheduled discussion of Mechanism A

Metal Hydride Reduction > Reduce C=O but not C=C NaBHy LiAlty How to think about the reagent: $N_{a} \oplus H$ H - B - H H = P H = P H = P H = P H = B - H H H = R H"Hydride" A Lewis acid A Lewis Base You can think of NaBHy as a Lewis base-Lewis acid complex between hydride (H?) and BHz

