

Vicinal
Tetrahalides

Geminal
Dihalides

Alkynes

Aldehydes,
Ketones

Vicinal
Dihalides

Vicinal
Diols

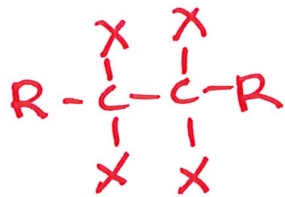
Alkenes

Alcohols

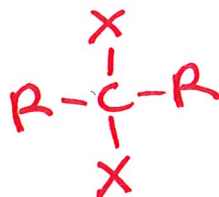
Haloalkanes

Halohydrins

Alkanes

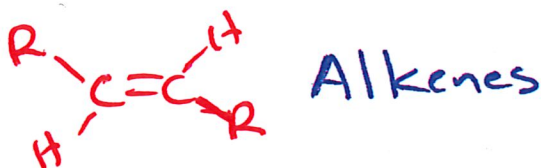
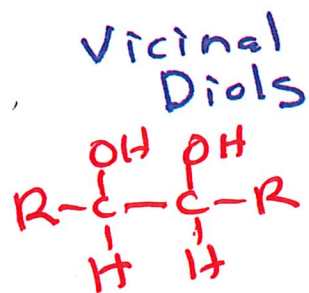
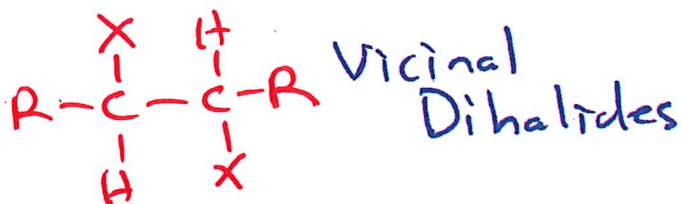
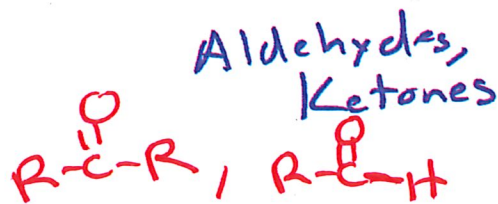


Vicinal ← "adjacent atoms"
Tetrahalides

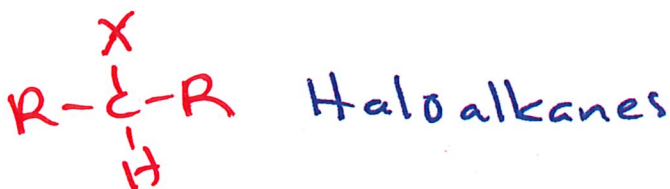
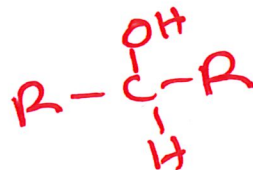


Geminal ← "same atom"
Dihalides

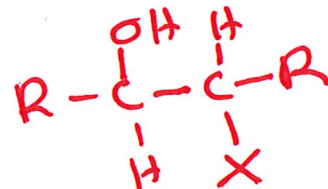
$\text{R}-\text{C}\equiv\text{C}-\text{R}$ Alkynes

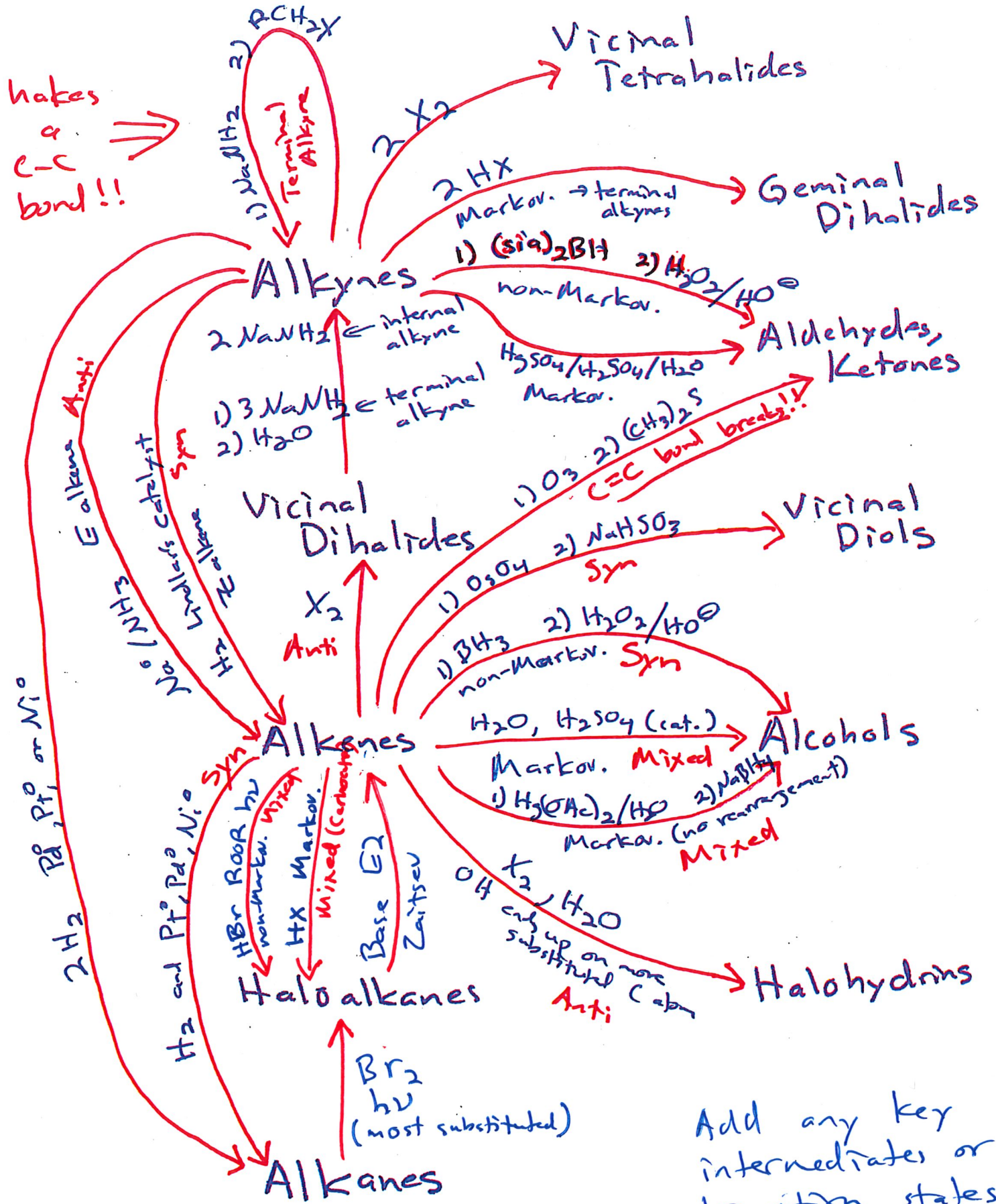


Alcohols



Halohydrins





Add any key intermediates or transition states