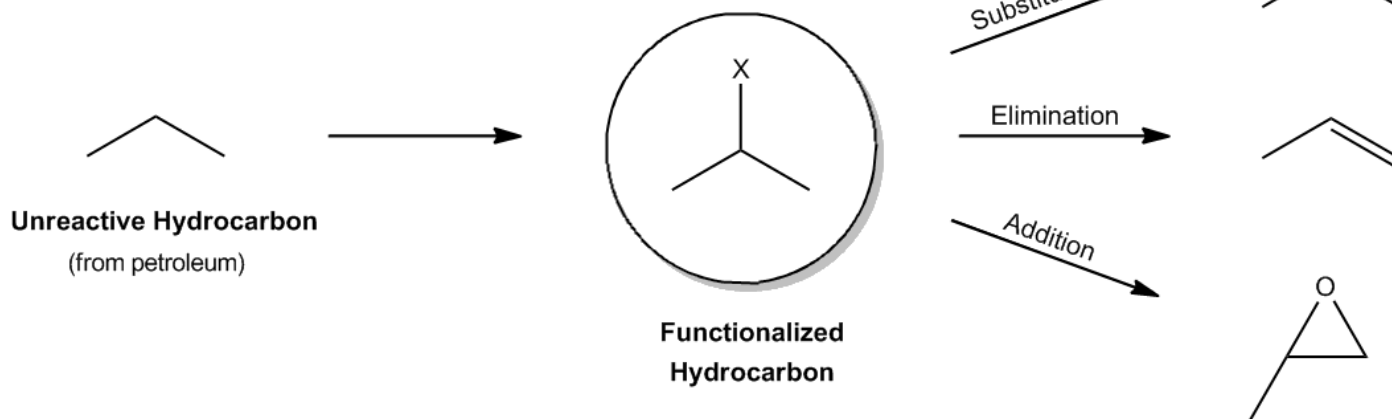


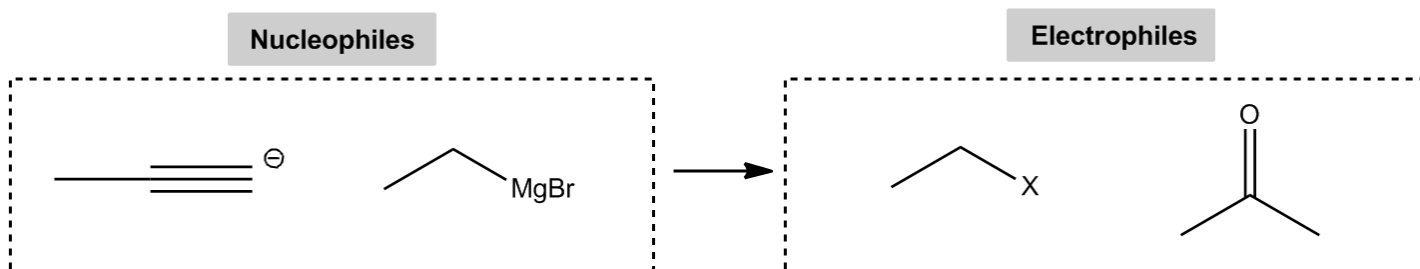
CONCEPT: SYNTHETIC CHEATSHEET

1. Alkane Halogenation



2. Organometal Alkylation

- The ONLY way to create carbon-carbon bonds in Organic Chemistry 1



3. Alternating Elimination/Addition to Move Functionality

- π -bond = Start with **addition**

- RX/ROH = Start with **elimination**

	Addition		Elimination	
	Markovnikov		Zaitsev	
More Substituted	ROH	RX		
Less Substituted	Anti-Markovnikov		Hofmann	
	ROH	RX		

A curved arrow at the bottom points from the Less Substituted row to the More Substituted row, indicating the direction of increasing substitution.