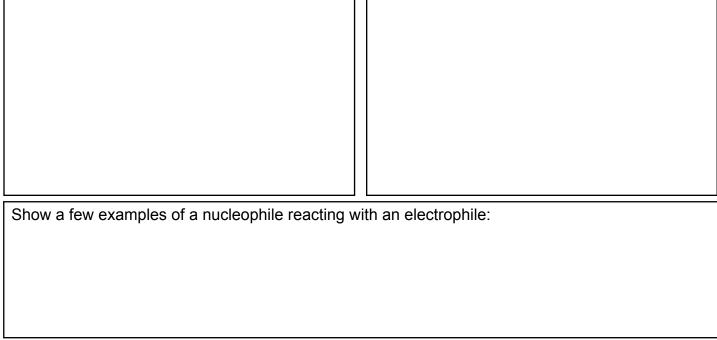
## **Nucleophile & Electrophile Review Worksheet**

CHM 4220 Organic Synthesis
Dr. Laurie S. Starkey, Cal Poly Pomona

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List all Nucleophiles you can remember:	List all Electrophiles you can remember:



Provide a reasonable retrosynthetic analysis (retrosynthesis) of the following target molecules (retrosynthesis must involve a C-C bond disconnection for b and c):

$$\nearrow_0 \nearrow^{Ph} \implies$$

$$\downarrow$$
  $\stackrel{\mathsf{OH}}{\downarrow}_{\mathsf{Ph}} \implies$ 

$$\setminus$$
  $\Longrightarrow$