

# Nucleophile & Electrophile Review Worksheet

CHM 4220 Organic Synthesis  
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Name: \_\_\_\_\_

List all Nucleophiles you can remember:

List all Electrophiles you can remember:

Show a few examples of a nucleophile reacting with an electrophile:

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

