

CHEM 232 Worksheet
There's No Time to Explain S_N2 Edition
See if you can finish i-iii in <20 minutes.

1. For each pair of reagents shown...
- Identify the nucleophile, electrophile, and leaving group.
 - Draw the arrow-pushing mechanism to form the S_N2 product(s).
 - Draw the major organic product(s) (aka. the product formed by the fastest rate).
 - Identify the HOMO and LUMO in each reaction. Name the relevant atom or bond as well as the associated atomic or molecular orbital.



