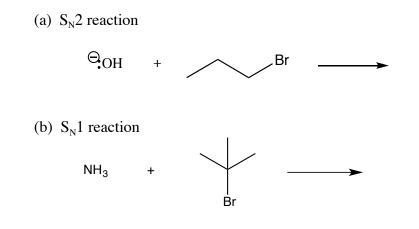
Chemistry 255 Prof. Loyd Bastin

- 1. Label the Lewis Acid and Lewis base in the following reaction. Also, draw the curved-arrows to demonstrate the mechanism of the reaction if it occurred in a single step.
 - HO^- + H_3C-I \longrightarrow $HO-CH_3$ + I^-
- 2. Predict the products of the following substitution reactions. Provide the curved arrows to explain how the product is formed through the indicated mechanism.



3. What nucleophile would serve to effect the following reactions?

