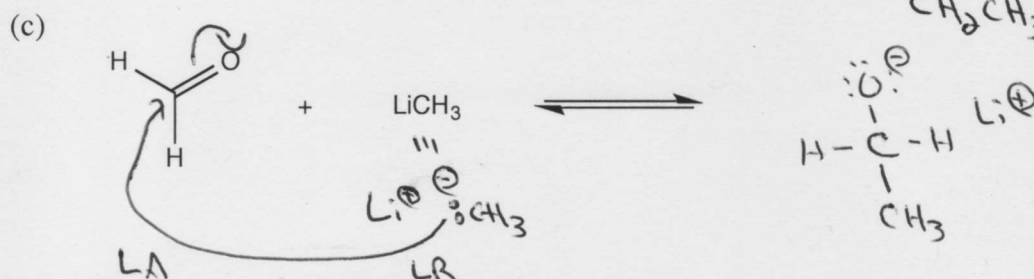
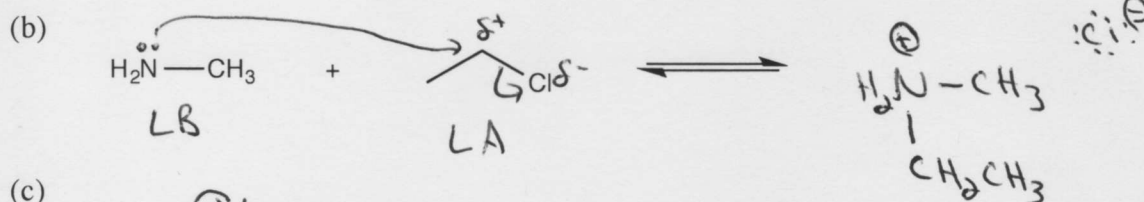
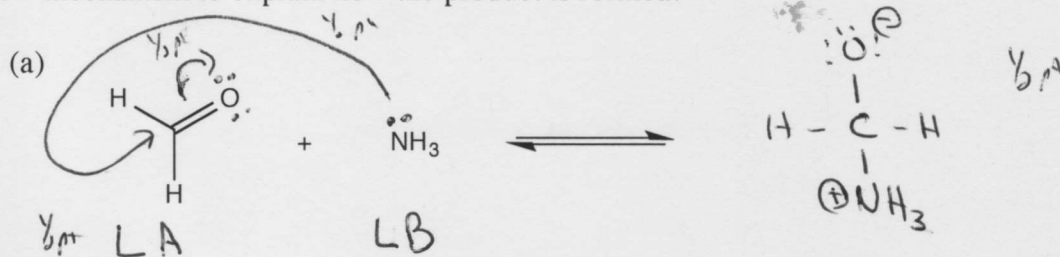
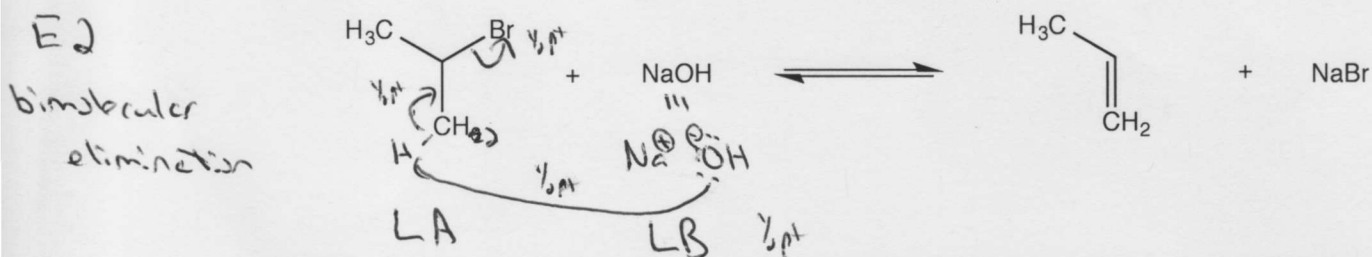


1. Label the reactants in the following reactions as Lewis acids/Electrophiles or Lewis bases/nucleophiles. Next, predict the product of the reaction and provide the curved-arrow mechanism to explain how the product is formed.



2. First, label the reactants in the following reaction as Lewis acids or Lewis bases. Second, provide the curved-arrow mechanism to explain how the products are formed.



3. Predict the product(s) of the reaction below and provide the curved-arrow mechanism to explain how the product(s) is/are formed.

