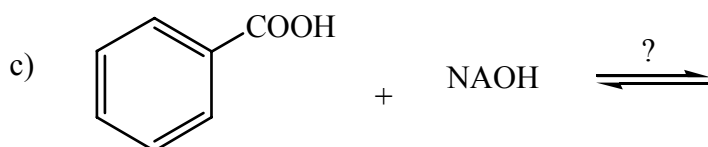
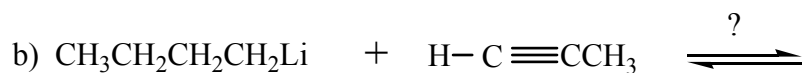
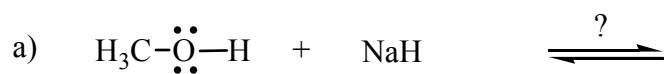


**Homework/Problem Set #3**  
**Chapter 3 and 4.1-4.7**

1. Complete equation for the acid-base reactions that would occur when the following compounds are mixed. Use curved arrows to show the movement of electrons in the bond making or breaking process. If no reaction occurs write no reaction.



2. Arrange the following in the order of increasing basicity:



3. Arrange the following in the order of increasing acidity



4. Give the IUPAC name for each of the following compounds

