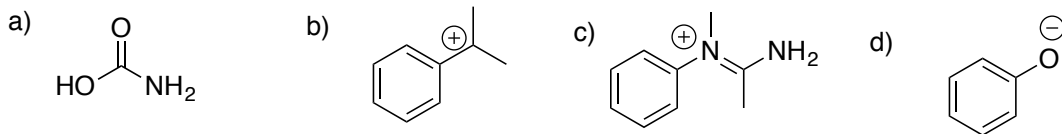
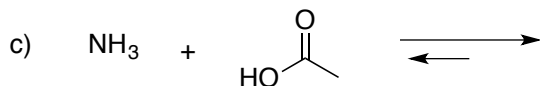
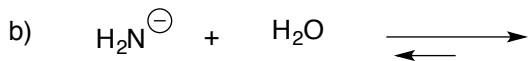
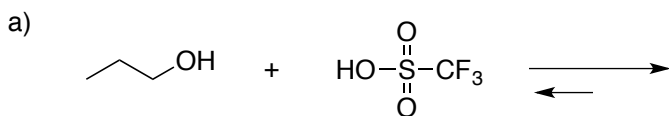


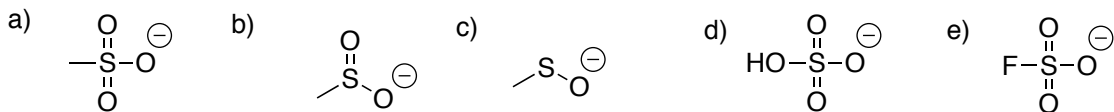
1) Show all of the resonance forms of the following molecules, and use arrows to show their interconversion.



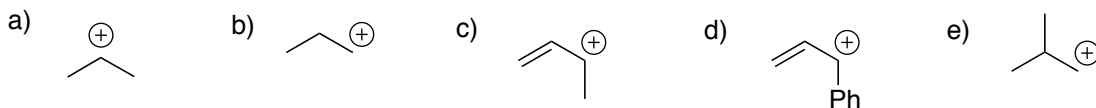
2) Predict a product of the following acid/base reactions and show an appropriate mechanism



3) Predict the relative stabilities of the following anions and rank them.



4) Predict and rank the relative stabilities of the following cations.



5) Predict the product(s) of the following substitution reactions and show a mechanism.

