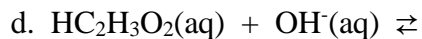
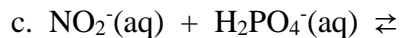
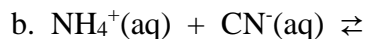
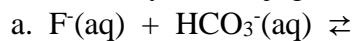


**Week 6****Chem 112 Recitation Exercises****Bronsted-Lowry acids and bases**

1. Identify the Bronsted-Lowry acid and base in the following reactions. Predict the products and identify the conjugate acid and conjugate base.



2. Calculate the pH of 0.100 M  $\text{HNO}_2$  and the equilibrium concentrations of the reactants and products in the acid dissociation. The  $K_a$  of  $\text{HNO}_2$  is  $4.5 \times 10^{-4}$ .