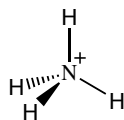
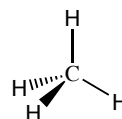


1. Indicate whether each of the following species can act as an acid, a base, or both.

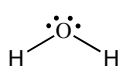
a)



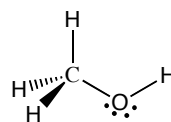
d)



b)



e)



c)



2. Provide the curved arrows to demonstrate the electron movement that occurs to produce each of the following reactions. Also, indicate the acid, base, conjugate acid, and conjugate base in each reaction.

a)



b)

