Practice Problems Answers

1. H2SO4  + H2O HSO4 - + H3O+

 acid base conj base conj acid

1. H3PO4  + H2O H3O+ + H2PO4 -

 H2PO4 - + H2O H3O+ + HPO4 2-

 HPO4 2- + H2O H3O+ + PO4 3-

3a) monoprotic (only the first H ionizes) b) monoprotic c) diprotic d) triprotic

 5) BF3 is the Lewis acid F – is the Lewis base