Created by Sheila Smith, University of Michigan- Dearborn (sheilars@umd.umich.edu) and posted on VIPEr (www.ionicviper.org) on October 17, 2009. Copyright Sheila Smith 2009. This work is licensed under the Creative Commons Attribution Non-commercial Share Alike License. To view a copy of this license visit http://creativecommons.org/about/license/.

In class activity- Lewis Acidity

Water has a pKa of 14. What is the concentration of H^+ in H_20 at 25°C? Write the balanced chemical equation for the dissociation of water to form H^+.

When H_20 is attached to Zn^{2+} (0.1M Zn^{2+}, 25°C), it's pKa is 10.0. What is the concentration of H^+ in this solution? Write the balanced chemical equation.

In which system is water the better acid?