

Preclass Assignment

CHEM 1100-General Chemistry I

Name:

#14

Section: 31, MWF

Due Date: Friday 8/18/2017

1. Sebacic acid (also known as decanedioic acid) is a polyprotic acid and has the chemical formula $\text{H}_2\text{C}_{10}\text{H}_{16}\text{O}_4$. Calculate the pH of a 0.025 M solution as if it were a monoprotic acid. We'll finish this problem in class by looking at the effect of the second dissociation on the pH.