

# Participation Assignment

## CHEM 1050-Chemistry and the Citizen

Name:

#11

Section: 03, MW

Due Date: Wednesday 2/17/2016

1. Fill in the following table. Write the concentrations of hydronium and hydroxide ions out to 2 significant figures. Write the pH and pOH values out to 1 decimal place. The book doesn't discuss pOH but you can determine it by using:  $\text{pH} + \text{pOH} = 14.0$

$[\text{H}_3\text{O}^{1+}]$	$[\text{OH}^{1-}]$	pH	pOH
$1.0 \times 10^{-7} \text{ M}$			
$1.0 \times 10^{-5} \text{ M}$			
$2.4 \times 10^{-8} \text{ M}$			
		10.3	
			12.9