CHEM1102 2012-N-3 November 2012

•	Citric acid, $C_6H_8O_7$, has three p K_a values: p $K_{a1} = 3.13$, p $K_{a2} = 4.76$ and p $K_{a3} = 6.40$. Explain, giving exact volumes and concentrations, how to make 1.0 L of a citrate-based buffer with pH 5.58.	Mark 4

THE REMAINDER OF THIS PAGE IS FOR ROUGH WORKING ONLY.