

CH1011

Tutorial 9

Name:

1. How would you make up a **buffer solution**?
Illustrate your answer using acetic acid (CH_3COOH ; $\text{pK}_a = 4.74$).
2. Explain why the **pH of rainwater** is not neutral (pH 7.0).
3. Calculate the hydrogen ion concentration, pH and pOH for a 0.200 M solution of **propanoic acid** (HPr , $\text{pK}_a = 4.89$).

