SUVA SANGAM COLLEGE YEAR 12 CHEMISTRY WORKSHEET 11

Question 1

Define the following terms: Monoprotic acid Polyprotic acid Amphiprotic

Question 2

Determine the pH of a 0.5mol L⁻¹ Sodium hydroxide.

Question 3

For each of the following identify the acid, base, conjugate acid and conjugate base.

- i. $NH_3 + H_2O \longrightarrow NH_4^+ + OH^-$
- ii. $H_2O + CO_3^{2-} \longrightarrow OH^- + HCO_3^-$
- iii. HCl + H₂O \longrightarrow Cl⁻ + H₃O⁺