



5.) What is the concentration of  $\text{SO}_3$  (aq), that is " $\text{H}_2\text{SO}_3$ ", is required to produce a pH of 6.10? (4 marks)

6.) A 0.750 M solution of  $\text{Te}^{2-}$  had a pH of 11.365. What is  $K_b$  for  $\text{Te}^{2-}$ ? (4 marks)