•	ank $H_2O(1)$, $H_2S(aq)$ and $HF(aq)$ in order of their Brønsted acid strengths. Explain our reasoning.		Mark 2
•	Buffer systems are frequently used in chemistry. Briefly describe a buffer system are how it functions? Use equations where appropriate.		4
	What ratio of concentrations of acetic acid to sodium acetate would you require to prepare a buffer with pH = 4.00? The K_a of acetic acid is 1.8×10^{-5} M.		
		Answer:	