

Mark schemes

Q1.**A**

The concentration of hydroxide ions in water at 18 °C is $8.00 \times 10^{-8} \text{ mol dm}^{-3}$

[1]**Q2.****B**

HCO_3^-

[1]**Q3.****D**

adding 10 cm^3 of $1.0 \text{ mol dm}^{-3} \text{ HCl}$

[1]**Q4.****C**

1.00×10^{-4}

[1]**Q5.****A**

ammonia and ammonium chloride

[1]**Q6.****A**

CH_3COO^-

[1]**Q7.****B**

1.40

[1]**Q8.****B**

KOH and CH_3COOH

[1]