

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
94	Iodine	$\text{H}^{\cdot} + \text{I}_2 \longrightarrow \text{H}^+ + \text{I}_2^-$	2	$3.5 \times 10^{10}$	p.r.; P.b.k. in soln. contg. $2 \times 10^{-5}$ mol L <sup>-1</sup> I <sub>2</sub> and $5 \times 10^{-4}$ mol L <sup>-1</sup> KI.	86A070