

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
145	Hexachlororuthenate(IV) Ion	$\text{H} \cdot + \text{RuCl}_6^{2-} \longrightarrow \text{RuCl}_6^{3-}$	~ 0	3.3×10^9	p.r.; D.k. of Cl_2^- at 350 nm in soln. contg. 5 mol L ⁻¹ HCl as well as d.k. of RuCl_6^{2-} at 490 nm; estd. rate, includes other reactants besides H (e.g. OH?).	80A114