Section A

Question	Marking guidance	Mark	AO	Comments
01.1	1s ² 2s ² 2p ⁶ 3s ² 3p ⁶ 4s ²	1	AO1a	Allow correct numbers that are not superscripted
01.2	$Ca(s)+ 2H_2O(I) \longrightarrow Ca^{2+}(aq) + 2OH^{-}(aq) + H_2(g)$	1	AO2d	State symbols essential
01.3	Oxidising agent	1	AO2c	
01.4	$Ca(g) \longrightarrow Ca^{+}(g) + e^{-}$	1	AO1a	State symbols essential Allow 'e' without the negative sign
01.5	Decrease	1	AO1a	If answer to 'trend' is not 'decrease', then chemical error = 0/3
	lons get bigger / more (energy) shells Weaker attraction of ion to lost electron	1	AO1a AO1a	Allow atoms instead of ions