M1.		 (a) A shared <u>electron</u> pair or a <u>covalent</u> bond (1) Both electrons from one atom (1) OR when a Lewis base reacts with a Lewis acid Mark points separately 	2
	(b)	Brønsted-Lowry acid: A proton or H⁺ donor (1) Not H₃O⁺	
		Lewis acid: A lone or electron pair acceptor (1)	2
	(c)	Two atoms or two points of attachment (1) Each donating a lone electron pair (1) OR forms 2 (1) co-ordinate bonds (1) OR donates two (1) pairs of electrons (1)	2
	(d)	Change in co-ordination number: 6 to 4 (1)	
		Reason for change: chloride ligands are larger than water ligands (1)	2
		OR greater repulsion between chloride ligands DO NOT allow chlorine or Cl	-
	(e)	Same number (1), and same type of bonds (1), broken and made	2
	(f)	CINH ₃ CH ₂ CH ₂ NH ₃ CI (1) OR (NH ₃ CH ₂ CH ₂ NH ₃) ²⁺ 2CI ⁻ Allow C ₂ H ₁₀ N ₂ CI ₂ and NH ₃ CICH ₂ CH ₂ NH ₃ CI	1

[11]

M2.D

M3.A

[1]

[1]