Question	Answers	Mark	Additional Comments/Guidance
05.1	$\Delta S = \Sigma_S$ products $-\Sigma S$ reactants or 253 + (2 x 198) $-$ (2 x 223 + 2 x 5.7 + 50.2) (= 649 $-$ 507.6) $\Delta S = 141(.4)$ (J K ⁻¹ mol ⁻¹) $\Delta G = \Delta H - T\Delta S$	1 1	This expression could also score M1 This scores M1 and M2 Allow ecf for M3, M4 and M5 from incorrect M2
	$\Delta G = -60 - (1262 \times 141(.4) \times 10^{-3})$	1	This expression also scores M3. For M4, allow $\Delta G = -60 - (1262 \text{ x their M2 x } 10^{-3})$
	$= -238 \text{ (kJ mol}^{-1} \text{) to 3 sig figs}$	1	If calculated in joules M4: Allow $\Delta G = -60 \times 10^3 - (1262 \times 141(.4))$ M5: Allow $-238\ 000$ J mol ⁻¹ providing units shown
	feasible since ΔG is negative/less than zero	1	Allow consequential M6 from their ΔG
Total		6	