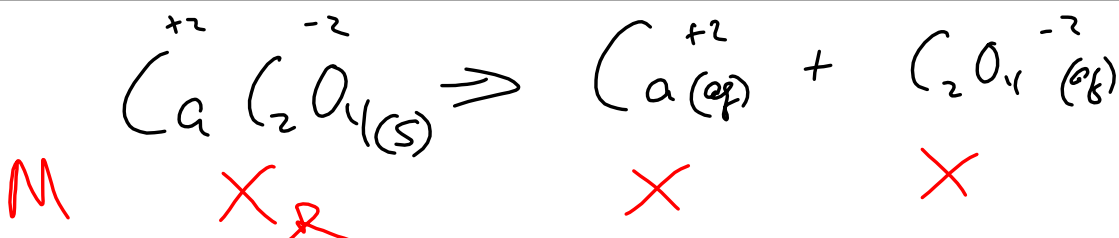


Final EXAM \Rightarrow 7¹⁵ AM START!

May 2-8:29 AM



$$K_{sp} = [\text{Ca}^{+2}] [\text{O}_4^{-2}] \quad \leftarrow M = \frac{\text{moles}}{l}$$

6.1g CaO ₄	1g	1 mole CaO ₄	4.77 x 10 ⁻⁵
1g	100mg	2g CaO ₄	

4 CaO₄⁻²

May 2-8:47 AM

(21) $2\text{SO}_2(\text{g}) + \text{O}_2(\text{g}) \rightleftharpoons 2\text{SO}_3(\text{g}) + \text{heat}$

3 moles gas *2 moles gas*

May 2-8:52 AM

(24) $\Delta H = [-127] - [105.9 + -167.2]$
 $= -65.7 \text{ kJ}$

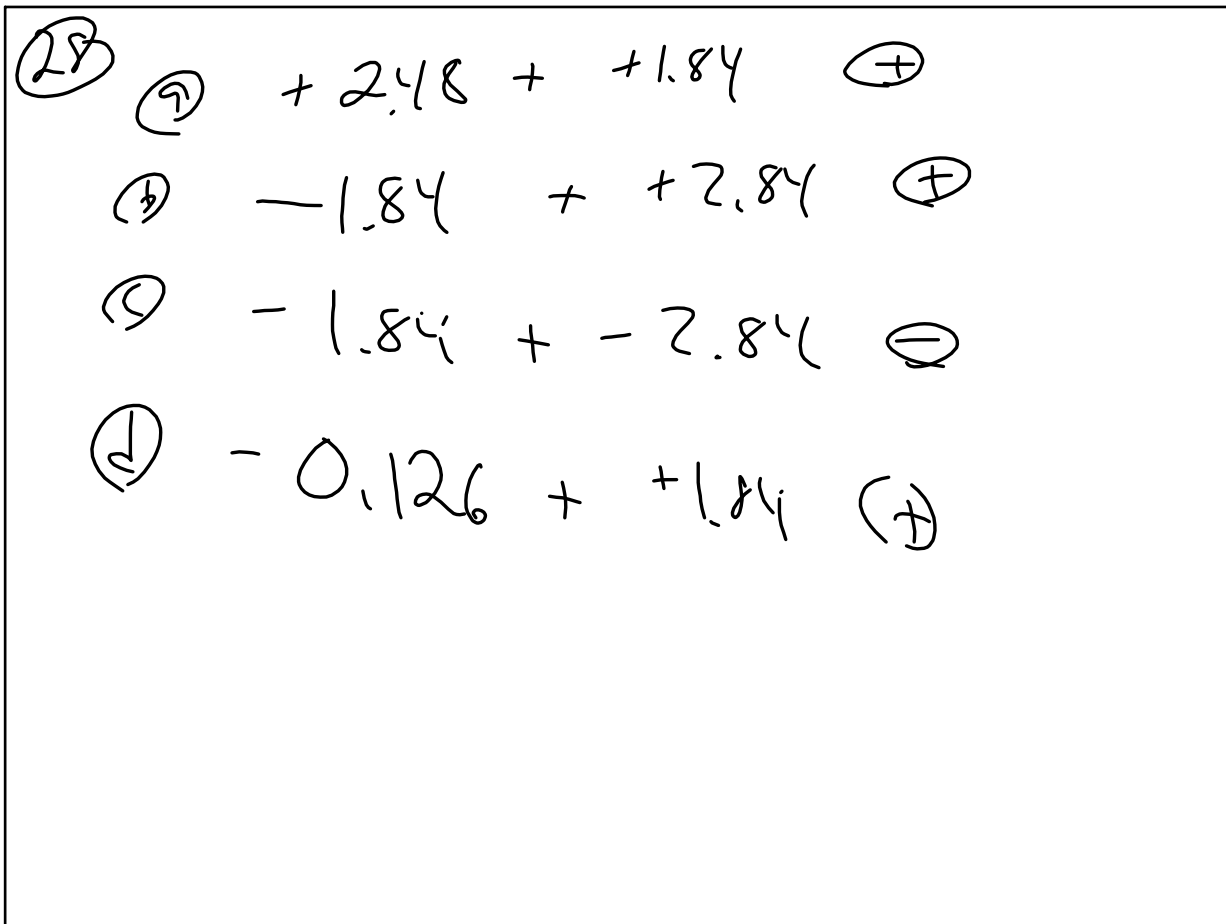
$\Delta S = [96.11] - [73.93 + 56.5]$
 $= -34.32 \text{ J}$

$\Delta G = \Delta H - T\Delta S$
 $= -65.7 - 298(-0.03432)$
 $= -55.47 \text{ kJ}$

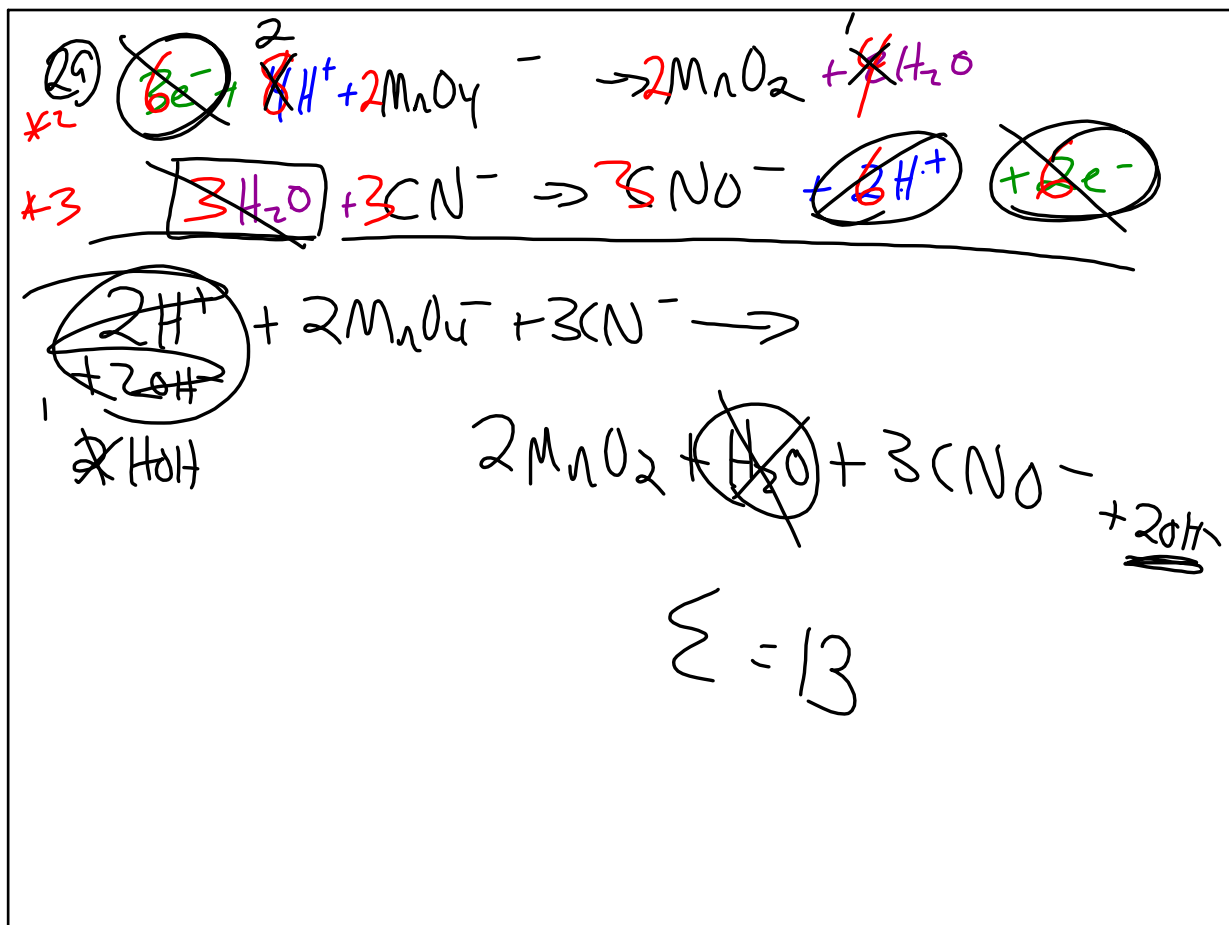
$\Delta G = -RT \ln K$
 $-55.47 = -(8.314 \times 10^{-3})(298) \ln K$

m

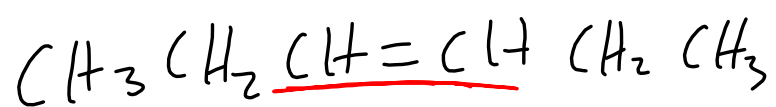
May 2-9:01 AM



May 2-9:06 AM



May 2-9:08 AM



CIS 3hexene

May 2-9:14 AM