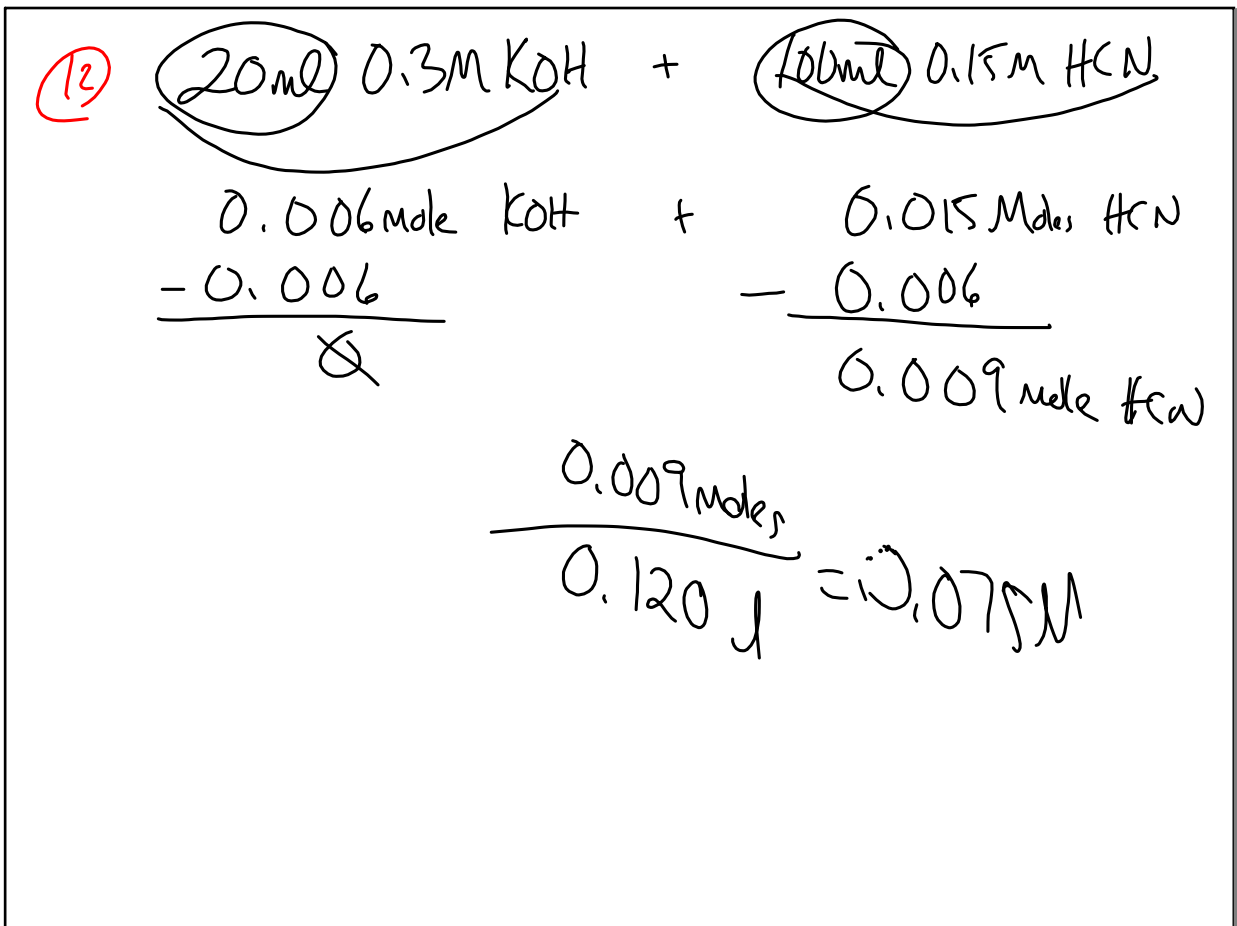


May 19-7:43 AM



May 19-8:09 AM

(20) $Ca(OH)_2 \rightarrow Ca^{+2} + 2OH^{-}$

$K_{sp} = [Ca^{+2}][OH^{-}]^2 = 2.77 \times 10^{-9}$

$(x) \quad (2x)$

G. mg $Ca(OH)_2$	g	mol
	1000mg	128g

$4.77 \times 10^{-5} \text{ mol/L}$ M

Moles/L

May 19-8:12 AM

(22)

— — |

+ + |

May 19-8:15 AM

$$\textcircled{24} \quad \Delta S = -34.32 \text{ J} = 0.03432 \text{ kJ}$$

$$\Delta H = -65.7 \text{ kJ}$$

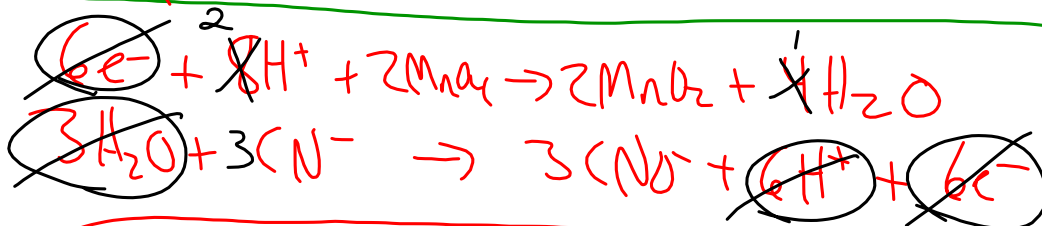
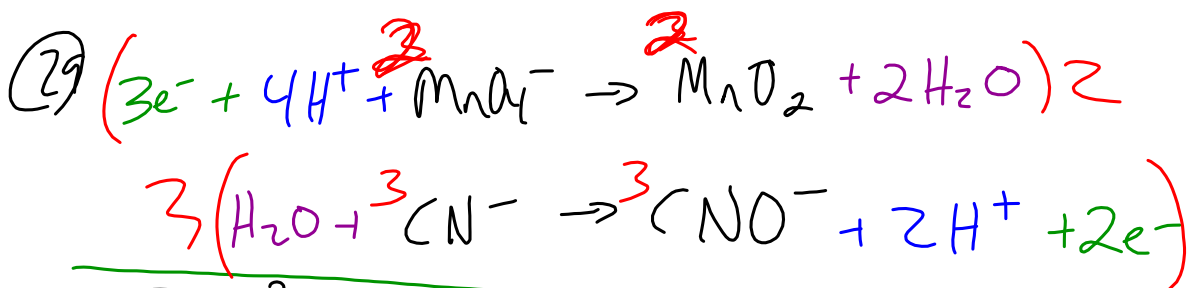
$$\Delta G = \Delta H - T \Delta S$$

$$= -55.47 \text{ kJ}$$

$$\Delta G = -RT \ln K$$

$$(8.314 \times 10^{-3})$$

May 19-8:16 AM



$$\sum \text{coeff} = 12$$

May 19-8:20 AM