

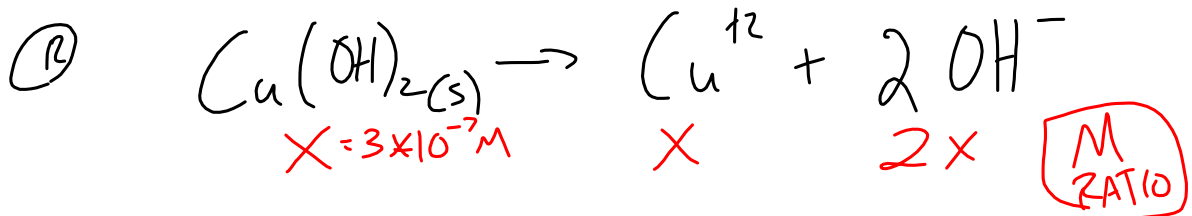
$$\textcircled{11} \quad Q = \frac{(\text{NO})^2 (\text{O}_2)}{(\text{NO}_2)^2} = \frac{(8.9 \times 10^{-4})^2 (8.5 \times 10^{-3})}{(4.1 \times 10^{-2})^2}$$



$$Q = 4.06 \times 10^{-6}$$

$$K = 4 \times 10^{-7}$$

May 12-8:00 AM



$$K_{\text{sp}} = (\text{Cu}^{+2}) (\text{OH}^-)^2$$

$$= (X) (2X)^2$$

$$= 4X^3$$

$$= 4(3 \times 10^{-7})^3$$

$$= 1.08 \times 10^{-19}$$

May 12-8:02 AM

(13)

I	$2 \text{NO}_2$	$\rightleftharpoons$	$\text{N}_2\text{O}_4$	
Δ	$3 \text{M}$		$\text{Q}$	
E	- 1.5		+ 0.75	MOLE RATIO
	1.5		$0.75 \text{M}$	

$$K_c = \frac{(\text{N}_2\text{O}_4)}{(\text{NO}_2)^2} = \frac{0.75}{(1.5)^2} = 0.333$$

May 12-8:06 AM

LAB

(6)

Ions

↓ 6M HCl

PPT

Ag, Hg, Pb

↓

5/1

5/1

↓

step

AQ soln

↓

Decantate (aq)

Precipitate (s)

① Knows All @ Test results.

② UNKNOWN

May 12-8:11 AM