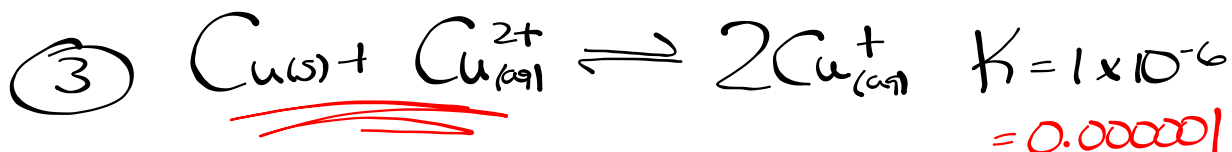
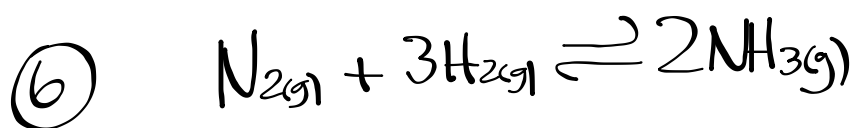


Eqm Law Worksheet

Reactants - favored



$$K = \frac{[\text{Cu}_{(\text{aq})}^{+}]^2}{[\text{Cu(s)}][\text{Cu}_{(\text{aq})}^{2+}]} = 0.000001$$



$$\text{eqm []} \quad 0.45\text{M} \quad 1.10\text{M} \quad ? \quad K = 1.7 \times 10^{-2}$$

$$K = \frac{[\text{NH}_{3(\text{g})}]^2}{[\text{N}_{2(\text{g})}][\text{H}_{2(\text{g})}]^3}$$

$$1.7 \times 10^{-2} = \frac{[\text{NH}_{3(\text{g})}]^2}{[0.45][1.10]^3}$$

$$[\text{NH}_{3(\text{g})}] = \sqrt{(1.7 \times 10^{-2})[0.45][1.10]^3}$$

$$[\text{NH}_{3(\text{g})}] = 0.10\text{M}$$

Eqm Law Worksheet