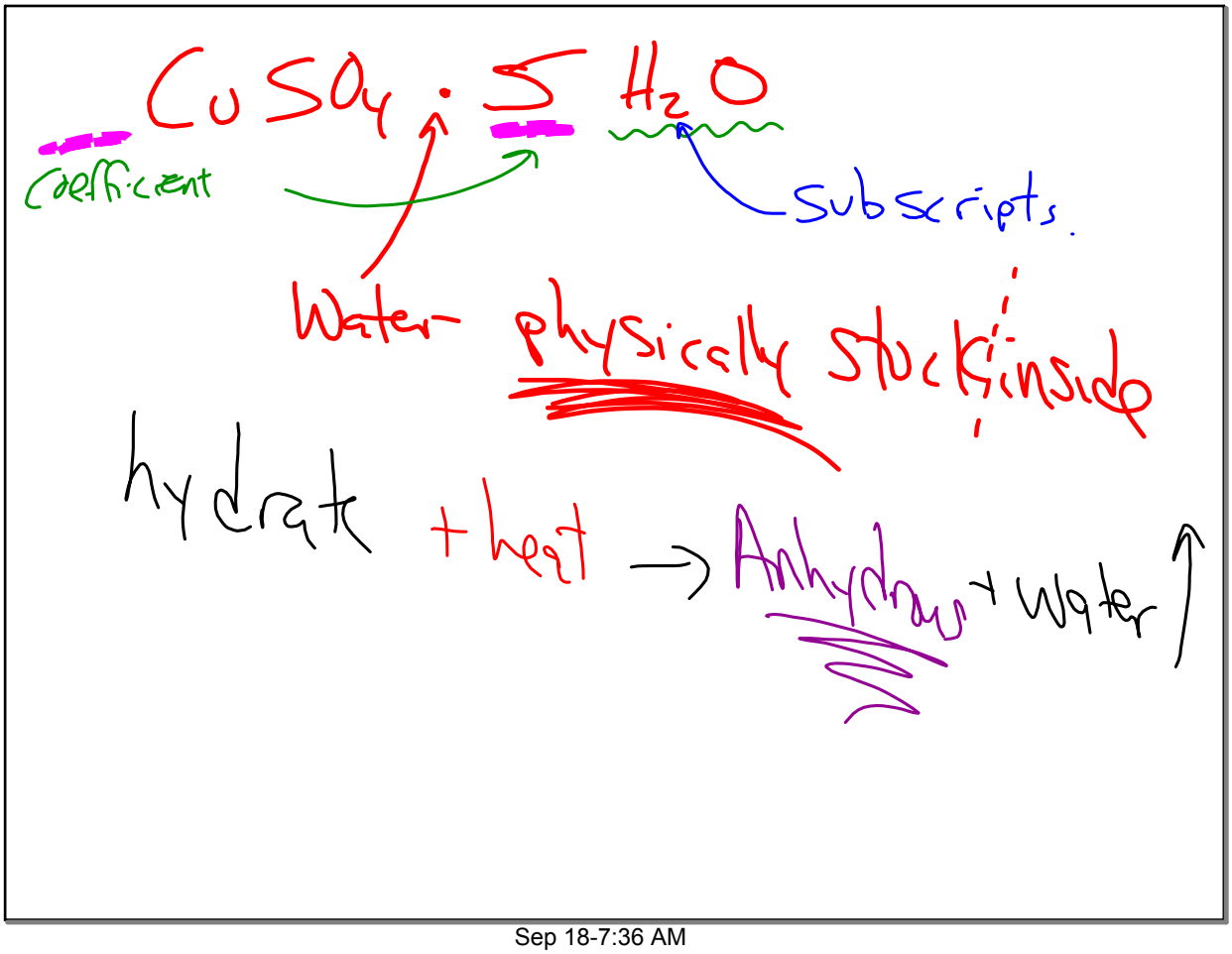
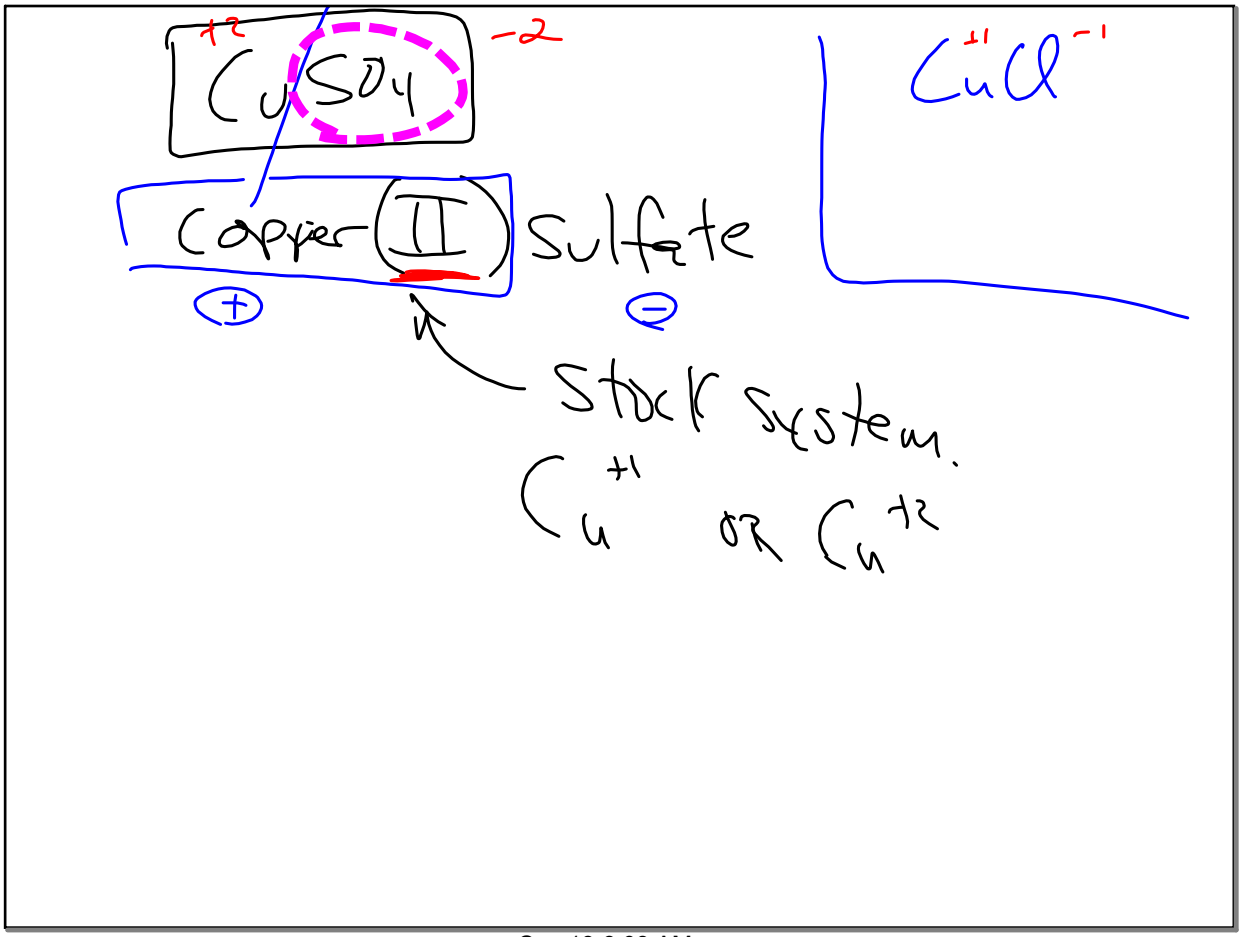


Sep 18-7:36 AM



Sep 18-8:08 AM

HClO hypochlorous ClO^- → hypochlorite

ClO_2^- → chlorite chlorous acid

ClO_3^- → chlorate chloric

ClO_4^- → perchlorate perchloric

Sep 18-8:22 AM

Nomenclature ← "Naming" cmpds.

BASES - only ⊖ ion (Anion) is OH^-

Sodium hydroxide $NaOH$ NH_4^{+1} OH^{-1}

$Ca(OH)_2$ vs ~~$CaOH_2$~~ NH_4OH

Sep 18-8:34 AM

Acids

H^+ only ⊕ ion (CATION)

① H + element

Prefix Suffix

$HCl_{(aq)}$ hydro chlor**ic** acid

$HF_{(aq)}$ hydro fluor**ic** acid

$H_2S_{(aq)}$ hydro sulfur**ic** acid

Sep 18-8:38 AM

Acids

ate → ic ite → ous

② H + Polyatomic ion

HNO_3 → Nitric acid

nitrate

HNO_2 → Nitrous Acid

Nitrite

Sep 18-8:42 AM

(11) At mass
p+n

1 H
1

At #
#p

Neutral Not anion

1p, 1e⁻, 0n

Sep 18-8:51 AM

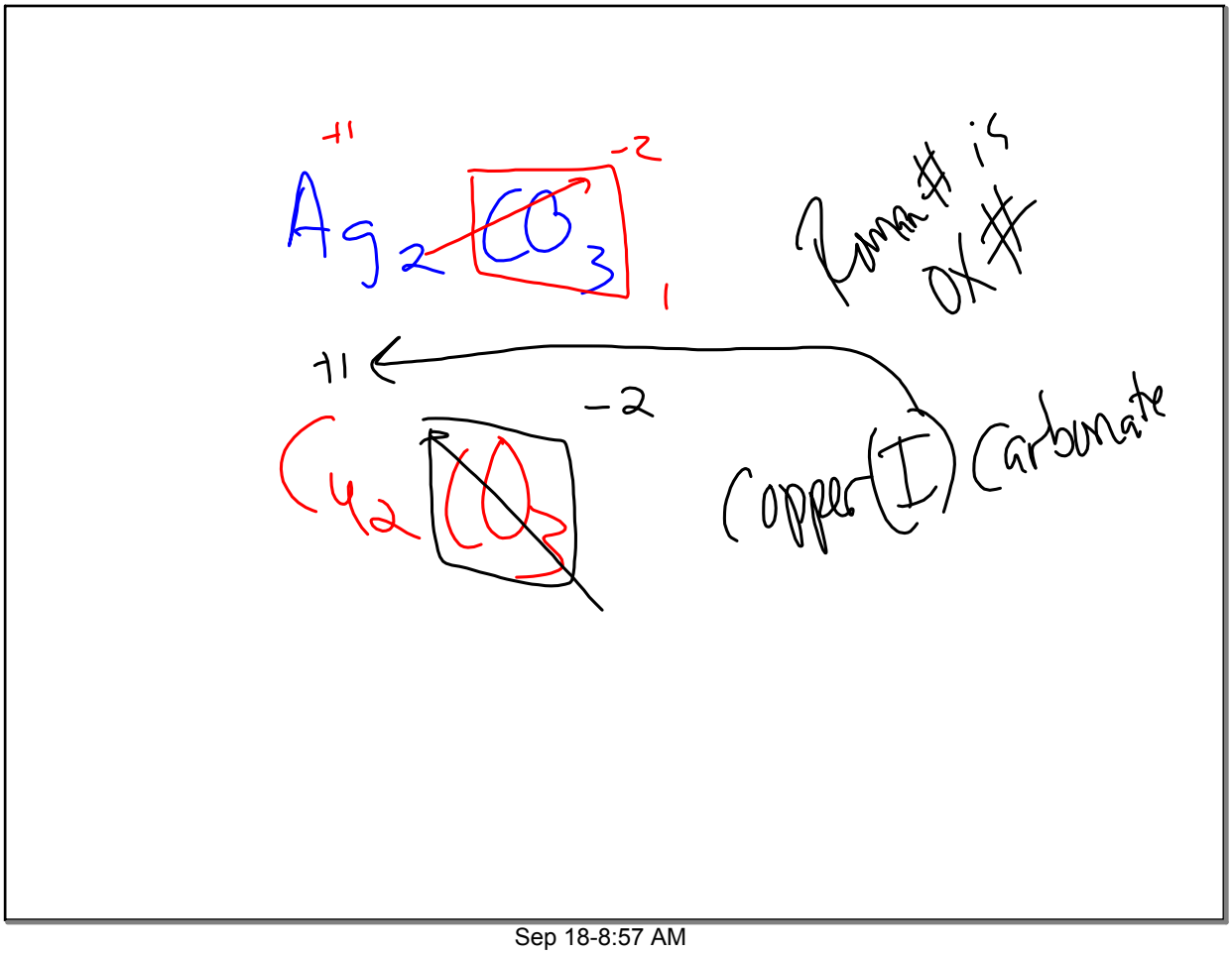
$Mg(ClO_3)_2$

Magnesium chlorate

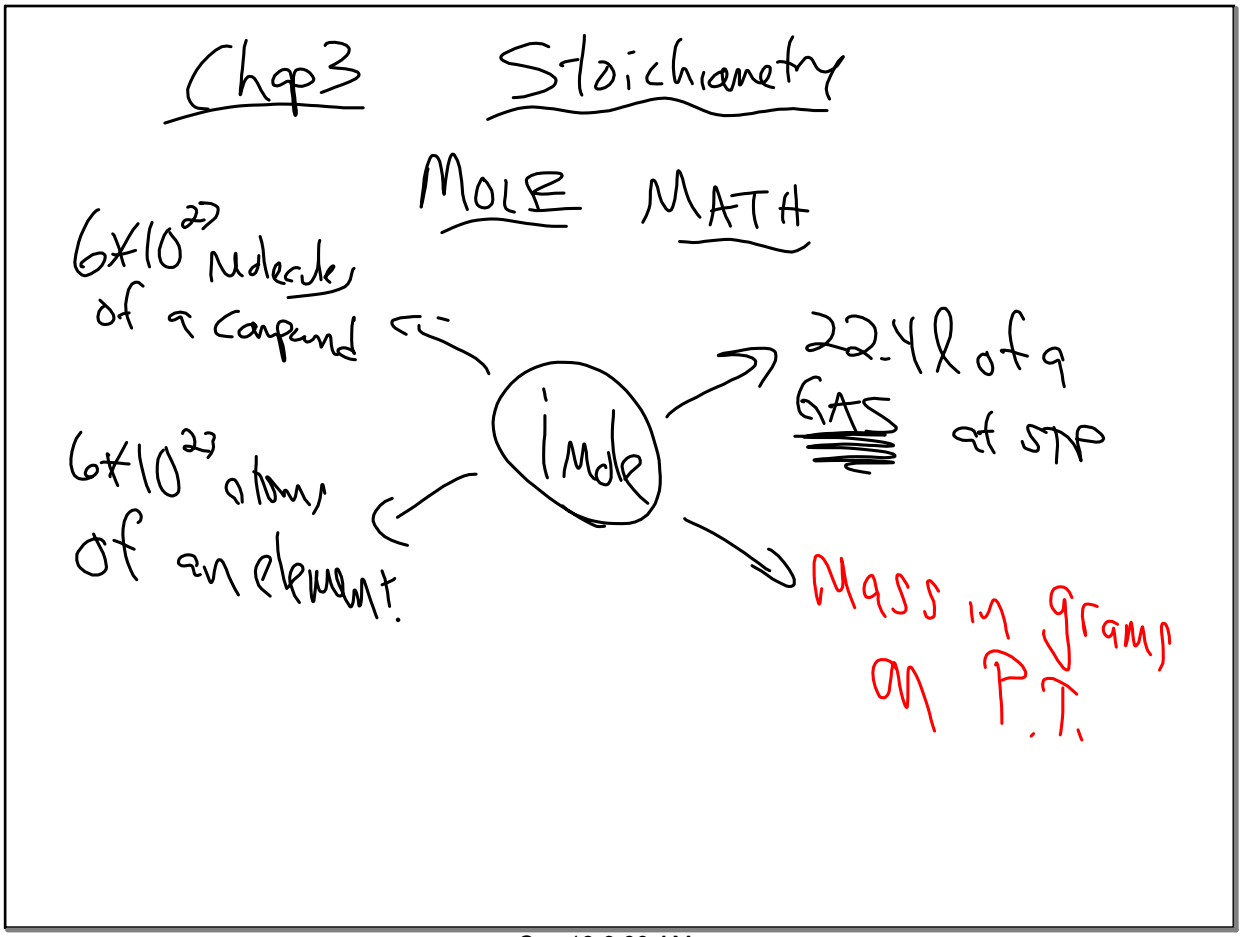
$Ca(BrO_3)_2$

Calcium bromate

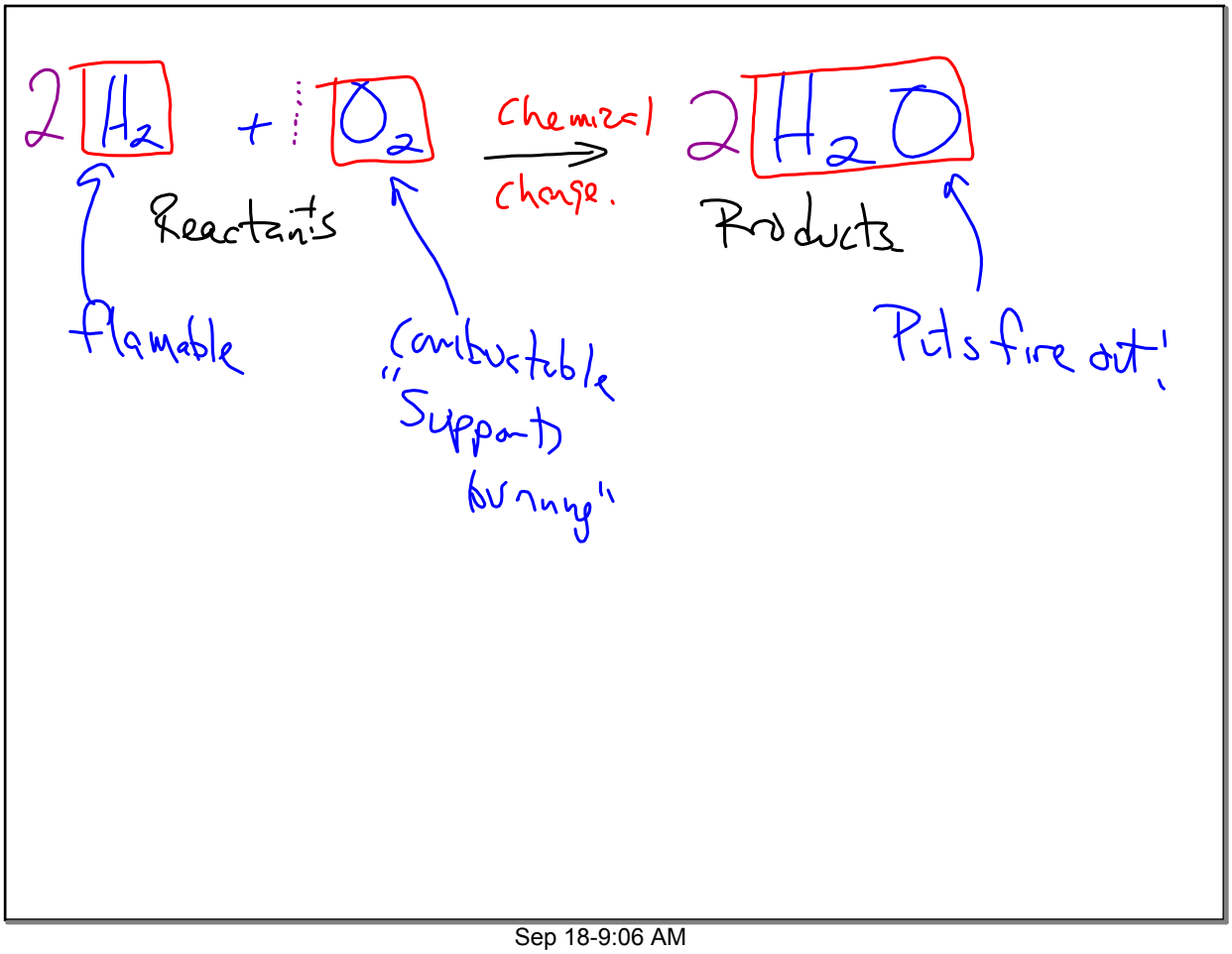
Sep 18-8:54 AM



Sep 18-8:57 AM



Sep 18-9:00 AM



Sep 18-9:06 AM

Types of Reactions

① A + B → AB

$2H_2 + O_2 \rightarrow 2H_2O$

Synthesis

② AB → A + B

$SrBr_2 \rightarrow Sr + Br_2$

decomposition

Sep 18-9:11 AM

③ $AB + C \Rightarrow CB + A$

$Li^{+}Cl^{-} + K^{(+)} \Rightarrow K^{+}Cl^{-} + Li^{(+)}$

Single replacement

④ $AB + CD \rightarrow AD + CB$

Double replacement

Sep 18-9:14 AM

3.12 abc

3.13 abc

Sep 18-9:16 AM