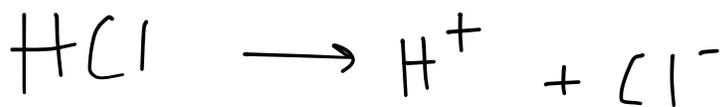


+6

+6

✓



∅

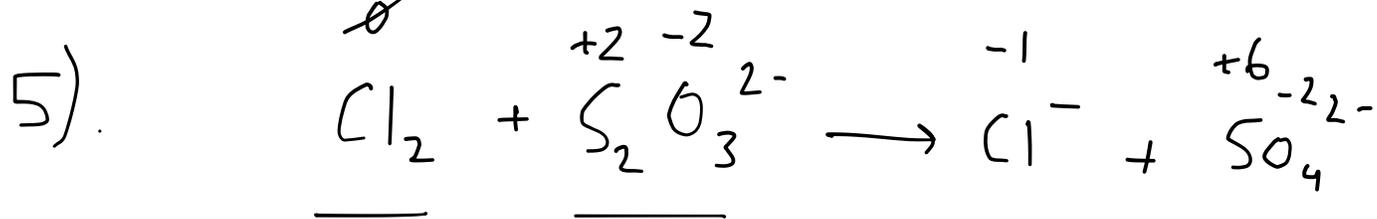
∅

$$2 \times \begin{array}{c} -6 \\ +6 \end{array} = \begin{array}{c} -2 \\ +6 \end{array}$$

$$2(\underline{\quad}) + 3\left(\begin{array}{c} -2 \\ 0 \end{array}\right) = -2$$

$\Sigma$

$$x - 8 = -2$$



Cl gained  $1e^-$

S lost  $4e^-$

OA: the species that drives the oxidation of another species  
 ↳ itself is being reduced  
 "e<sup>-</sup> sink"

RA: the species that drives the reduction of another species  
 ↳ itself is being oxidized  
 ↳ provides the e<sup>-</sup> for other reactant  
 "e<sup>-</sup> source"

Reagent is the same word as reactant



# Acid-Base chemistry

was a lot of math + connecting that to concepts of solutions + movement of  $H^+$  +  $OH^-$ .

Now: Redox chemistry

is assigning <sup>ox.</sup> numbers (+/- math) + connecting that to concepts related to batteries + rxns that involve the movement of  $e^-$ .