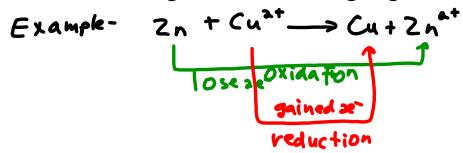


Oxidizing and Reducing Agents1. What caused Zn to get oxidized? Cu^{2+} took $2e^-$ from Zn .

oxidizing agent

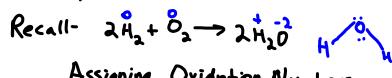
2. What caused Cu^{2+} to get reduced? Zn gave two e^- to Cu^{2+}

reducing agent

Questions p.715 #3,4

Assigning Oxidation Numbers

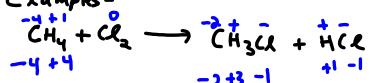
See table p.724 text

Assigning Oxidation Numbers.

- $Zn(s)$ element (rule #1)
 - KCl ions (rule #2)
 - CuO rule #2,4
 - HCl rule #3 CaH_2
 - H_2O_2 (peroxides) H_2O_2 rules #4,7
 - $SiBr_4$ rules 5+6
 - Cr_2O_7 rule 7
- Questions p.726 #9-12

Identify Redox Reactions UsingOxidation Numbers

Examples-

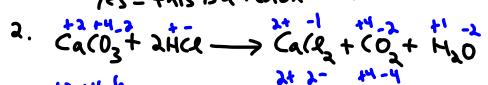


C-oxidized from -4 to -2

H-not oxidized or reduced

Cl-reduced from 0 to -1

Yes-this is a redox reaction



No changes in oxidation numbers of atoms.

No-not a redox rxn. page 728, #13-16