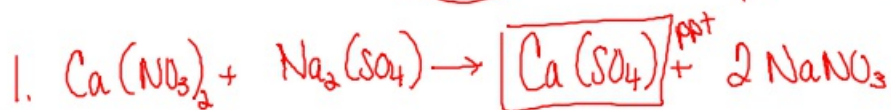
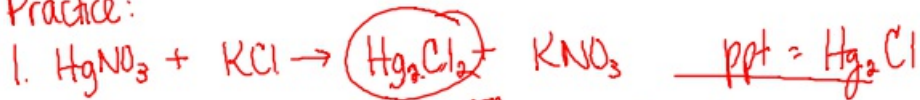


2balls

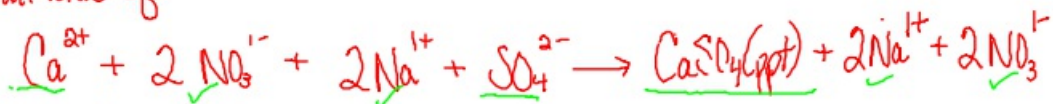
ppt = precipitate = solid formed during a reaction (when reactants are both aqueous)

Determine ppt by checking both products on Solubility table — insoluble = ppt

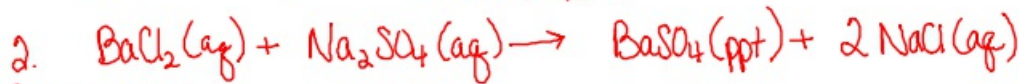
Practice:



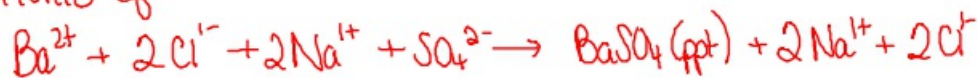
full ionic equation



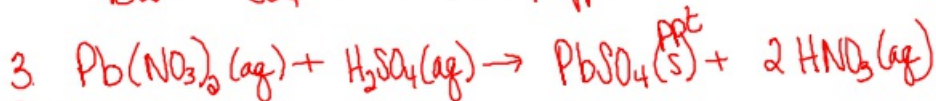
Net ionic equation



full ionic eq.



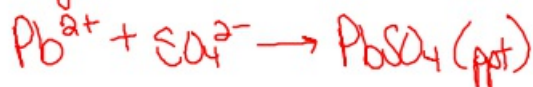
net ionic eq.



full ionic eq.



net ionic eq.



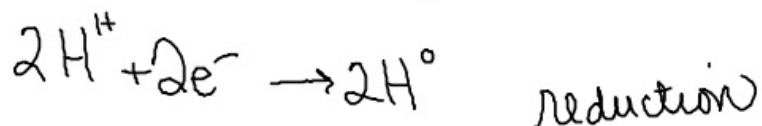
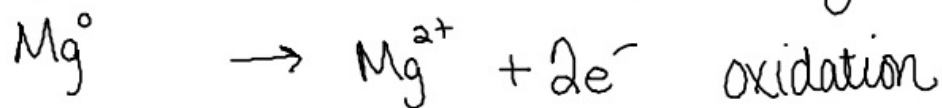
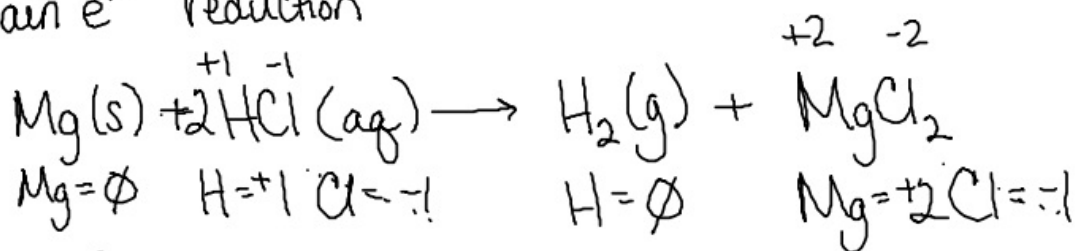
Redox

Reduction - Oxidation

Leo - Ger

Lose e^- oxidation

Gain e^- reduction



Practice:

- D 1.
- A/C 2.
- B 3.
- E 4.
- A/C 5.

- 1. ppt = Hg_2Cl_2
- 2. ppt = none
- 3. ppt = PbSO_4

Hints:

Oxidation-Reduction
DC (syn) & SR

Combustion
+ $\text{O}_2(g)$

Ionic has charges

Acid-Base

products = salt + H_2O

Precipitation

DR only & produces a solid

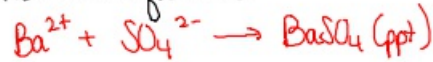
PPE Practice

1. No ppt - No Rxn

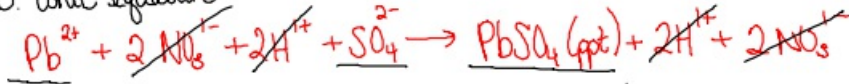
2. ionic equation



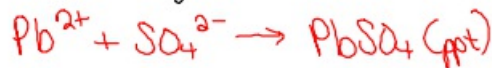
net ionic equation



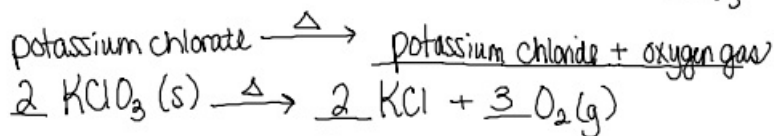
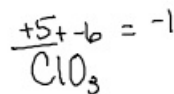
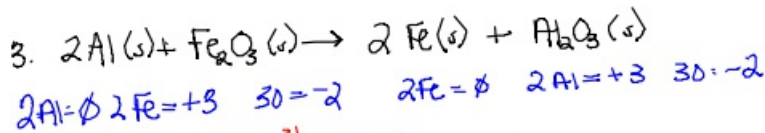
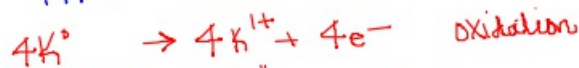
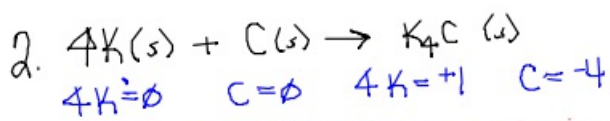
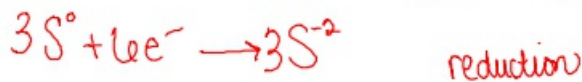
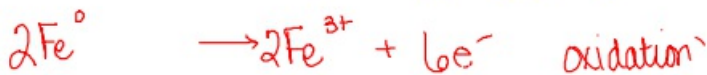
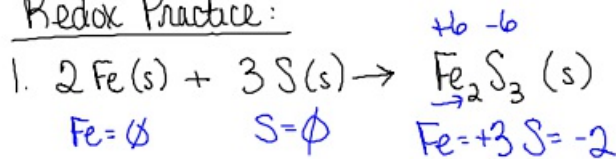
3. ionic equation



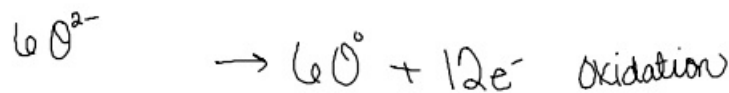
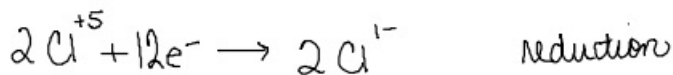
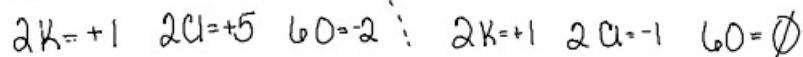
net ionic equation



Redox Practice:



Redox:



2/22/16

Precipitation Reactions

Rxn where two aqueous compounds combine (DR) \rightarrow 2 new compounds
1 of which is insoluble in H_2O
(ppt)

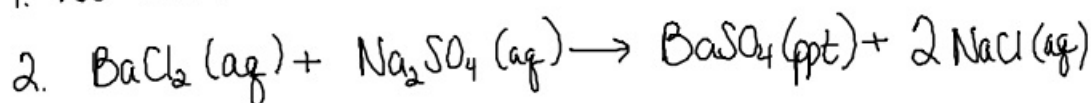
Evaluate both products using the
Solubility Table

if no ppt \rightarrow no rxn

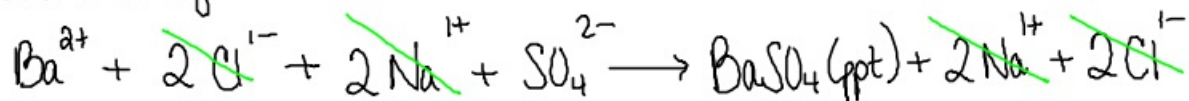
Practice

1. Hg_2Cl_2 or KNO_3 ppt Hg_2Cl_2
2. K_3PO_4 or $Al(NO_3)_3$ ppt No Rxn
3. $PbSO_4$ or $NaClO_3$ ppt $PbSO_4$

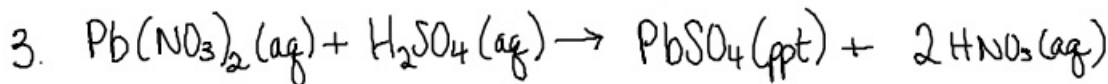
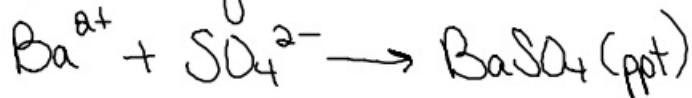
1. No Rxn



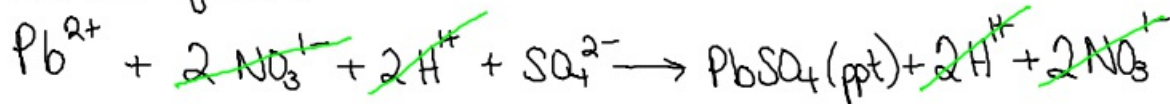
full ionic equation



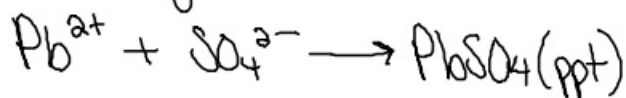
net ionic equation



full ionic equation



net ionic equation

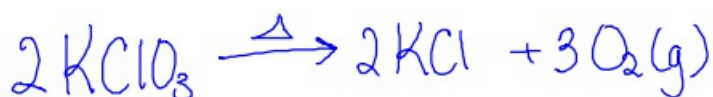
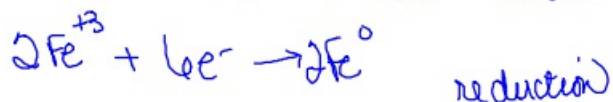
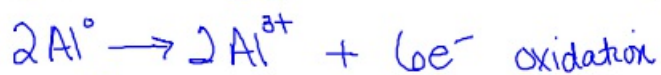
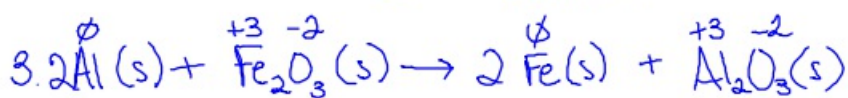
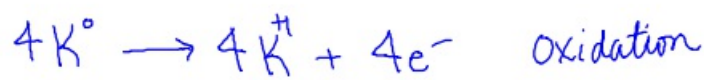
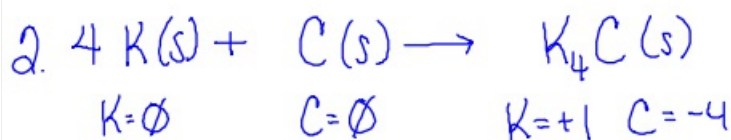
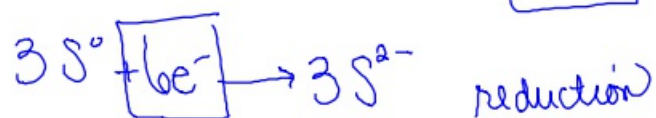
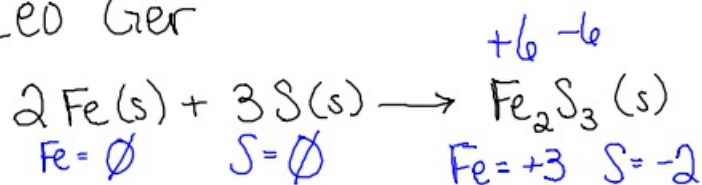


Reduction-Oxidation Reactions (Redox)

Electrons are exchanged between elements causing oxidation # to change between reactants + products.

OIL RIG

Leo Ger



Decomposition

binary
chlorates
hydroxides
carbonates

Homework:

Complete odd #
prediction problems.