NAME: **HONORS CHEMISTRY**

SECTION: Pairs/Check: Net Ionic Equations

Directions:

1. Take turns solving the problems--one partner completes the odd problems, while the other partner completes the even problems. Assume all reactions occur in aqueous solution.
   1. First, predict and write the formulas for each product, and balance the equation.
   2. Then, use the solubility rules to determine states of matter.
   3. Write out the complete ionic equation for each reaction, i.e, write any soluble species as dissociated ions while keeping the precipitate together. Remember that strong acids dissociate completely in solution.
   4. Identify the spectator ions.
   5. Finally, cross out any spectator ions, leaving only a correctly balanced net ionic equation.
2. After each problem, discuss the answer with your partner. If both partners agree on the answer, both students initial the answers. If an agreement can’t be reached, both partners raise their hands to get the teacher’s attention.
3. Complete the self evaluation.

1. NaCl(aq) + Pb(NO3)2(aq) →

Net ionic equation:

Spectator ions:

2. Na2CO3(aq) + FeCl2(aq) →

Net ionic equation:

Spectator ions:

3. AlCl3(aq) + Li2S(aq) →

Net ionic equation:

Spectator ions:

4. (NH4)3PO4(aq) + Zn(NO3)2(aq) →

Net ionic equation:

Spectator ions:

5. LiOH(aq) + VCl3(aq) →

Net ionic equation:

Spectator ions:

6. Mg(NO3)2(aq) + Na2SO3(aq) →

Net ionic equation:

Spectator ions:

7. HNO3(aq) + KOH(aq) →

Strong acid strong base

Net ionic equation:

Spectator ions:

8. HBr(aq) + LiOH(aq) →

Strong acid strong base

Net ionic equation:

Spectator ions:

The purpose of this assignment was to: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| Did I: | Circle the appropriate response: |
| Clearly identify the errors? | Always Sometimes Rarely |
| Listen while my partner explained? | Always Sometimes Rarely |
| Give my partner positive support? | Always Sometimes Rarely |
| Stay on task during the assignment? | Always Sometimes Rarely |
| Use encouraging and polite words? | Always Sometimes Rarely |
| Record my work on the paper? | Always Sometimes Rarely |
| Demonstrate an understanding of the material? | Yes No |

Comments: