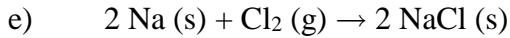
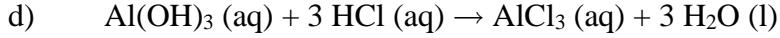
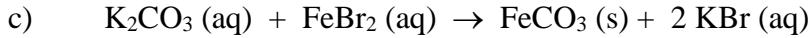
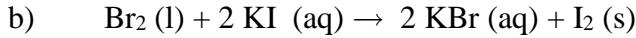
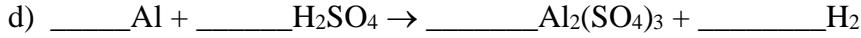
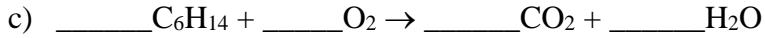
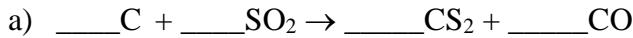


**REVIEW QUESTIONS**  
Chapter 7

1. Classify each of the following reactions in as many ways as possible:

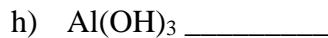
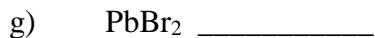
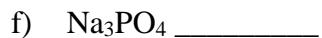
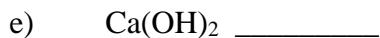
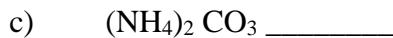


2. Balance each of the equations shown below:

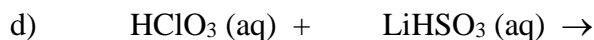
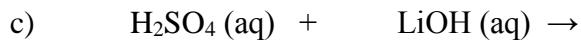
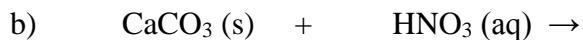


3. Write a balanced equation for the photosynthesis reaction in which gaseous carbon dioxide and liquid water react to produce aqueous glucose (C<sub>6</sub>H<sub>12</sub>O<sub>6</sub>) and oxygen gas.

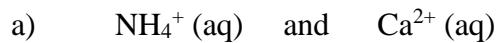
4. Indicate whether each of the following is soluble or insoluble in water:



5. Complete and balance the equations below for each neutralization and unstable product reaction:



6. What solution can you add to each cation mixture below to separate them from each other by precipitating one while keeping the other one in solution? Write a net ionic equation for the precipitation reaction that occurs for each pair.



7. Predict the products of each reaction below and write balanced complete ionic and net ionic equations for each. If no reaction occurs, write NO REACTION.

