

## Chemical Reactions (Part 2) Worksheet

A compound is **soluble** in a particular liquid if it dissolves in that liquid.

A compound is **insoluble** if it does not dissolve in the liquid.

An **aqueous** solution is a homogeneous mixture of a substance with water.

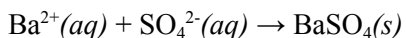
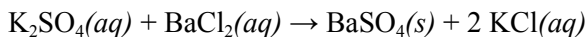
1. Is each compound soluble or insoluble?



2. Write an equation for the precipitation reaction that occurs (if any) when solutions of sodium carbonate and copper (II) chloride are mixed.

3. Write an equation for the precipitation reaction that occurs (if any) when solutions of lithium nitrate and sodium sulfate are mixed.

4. Which chemical equation is a net ionic equation?



6. What are the clues that a chemical reaction has occurred?

1)

2)

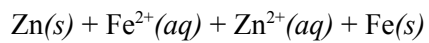
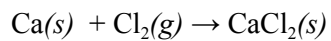
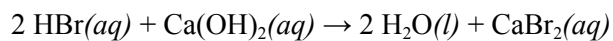
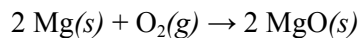
3)

4)

5)

8. List the different types of reactions and properties of each.

6. Which of these are redox reactions?



7. Write a balanced equation for the combustion of liquid methyl alcohol ( $\text{CH}_3\text{OH}$ ).

## Oxidation-Reduction Worksheet

For each reaction below, identify the atom oxidized, the atom reduced, the oxidizing agent, and the reducing agent.

