

Balancing Equations Worksheet #1

Write the balanced chemical equations for the following word equations

1. Calcium oxide plus sulfur dioxide gives calcium sulfite
2. Nitrogen dioxide gas plus water yields nitric acid plus nitrogen monoxide gas
3. Potassium chlorate decomposes to give potassium chloride and oxygen gas
4. Sulfuric acid reacts with barium chloride to form barium sulfate and hydrochloric acid
5. Aluminum oxide plus sulfuric acid yields aluminum sulfate and water
6. Solid aluminum and lead II nitrate solution give solid lead and aluminum nitrate solution
7. Solid potassium chlorate decomposes to form potassium chloride and oxygen gas
8. Sulfuric acid decomposes to form sulfur trioxide gas and water
9. Propane, C_3H_8 and oxygen gas burn to form carbon dioxide gas and water
10. Barium oxide solid and water form barium hydroxide solution
11. Solid magnesium and cobalt II nitrate form magnesium nitrate and cobalt
12. Lithium hydroxide solution and iron III nitrate solution form iron III hydroxide solution and lithium chloride solution