

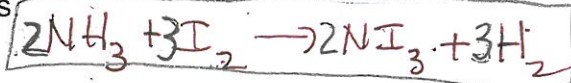
Remember: Br I N Cl H O F  
M N O H  
C H O

Name Sturman key

## Worksheet: Writing Equations

Write equations for the following reactions:

- 1) The reaction of ammonia with iodine to form nitrogen triiodide (NI<sub>3</sub>) and hydrogen gas.



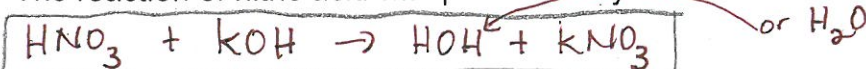
- 2) The combustion of propane (C<sub>3</sub>H<sub>8</sub>).



- 3) The incomplete combustion of propane to form CO and water.



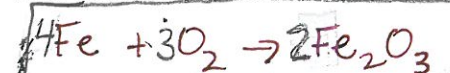
- 4) The reaction of nitric acid with potassium hydroxide.



- 5) The reaction of copper (II) oxide with hydrogen to form copper metal and water.



- 6) The reaction of iron metal with oxygen to form iron (III) oxide.



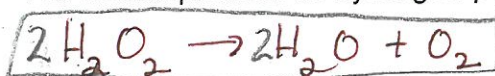
- 7) The complete combustion of 2,2-dimethylpropane (C<sub>4</sub>H<sub>10</sub>) in oxygen.



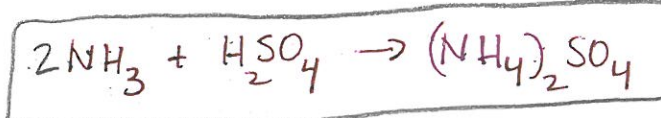
- 8) The reaction of AlBr<sub>3</sub> with Mg(OH)<sub>2</sub>



- 9) The decomposition of hydrogen peroxide to form water and oxygen.



- 10) The reaction of ammonia with sulfuric acid.



Synthesis reaction.  
Creates ammonium sulfate.