

Science 1206

Worksheet # 10

Translate each of the following statements into word equations, then balanced chemical equations. Remember that ***The "HONorable Halogens" are all diatomic.***

1. Hydrogen and bromide react to produce hydrogen bromide.

Word Equation:

Chemical Equation:

2. Solid calcium and aqueous potassium chloride react to produce potassium and aqueous calcium chloride.

Word Equation:

Chemical Equation:

3. Solid Iron combines with oxygen gas to produce solid Iron oxide.

Word Equation:

Chemical Equation:

4. Carbon dioxide decomposes (breaks down) into carbon and oxygen gas.

Word Equation:

Chemical Equation:

5. Copper reacts with hydrochloric acid to produce copper (II) chloride solution and hydrogen gas.

Word. Equation:

Chemical Equation:

6. The combustion (burning) of ethyne gas, $C_2H_{2(g)}$ in the presence of oxygen gas produces carbon dioxide gas and water vapor.

Word Equation:

Chemical Equation: