

Word Equations and Balancing

Name - _____

1.) Rewrite the following sentences, first as chemical word equations and then as chemical formula equations.

a.) Sodium carbonate reacts with hydrogen chloride to produce sodium chloride, carbon dioxide and water.

b.) Octane (C_8H_{18}) burns by reacting with pure oxygen gas to produce carbon dioxide and water.

c.) Sodium metal reacts with water to form sodium hydroxide and hydrogen gas.

d.) Zinc metal reacts with copper sulphate to produce zinc sulphate and copper metal.

2.) Rewrite and balance the following chemical equations.

a.) Propane (C_3H_8) reacts with oxygen gas to produce carbon dioxide and water.

b.) Calcium oxide reacts with hydrogen chloride to form calcium chloride and water.

3.) Balance the following chemical equations.

