

Name _____ Period _____

College Prep Chemistry of the Earth

Assignment 5M – Introduction to Chemical Reactions

20 Points

Define the following terms

Chemical Reaction	Yields (\rightarrow)		
Reactants (<i>of reaction</i>)	Products (<i>of reaction</i>)		
Reaction Atomic Ratio	Reaction States of Matter		
	(s)	(g)	(aq)

For the following reactions list the reactants and products

$2\text{Na} + \text{Cl}_2 \rightarrow 2\text{NaCl}$		$\text{Al}_2\text{O}_3 \bullet 3\text{H}_2\text{O} \rightarrow \text{Al}_2\text{O}_3 + 3\text{H}_2\text{O}$	
Reactants	Products	Reactants	Products
$2\text{H}_2\text{O} \rightarrow 2\text{H}_2 + \text{O}_2$		$\text{Ca} + \text{Zn}_2\text{S} \rightarrow 2\text{Zn} + \text{CaS}$	
Reactants	Products	Reactants	Products
$3\text{AgBr} + \text{Cu}(\text{NO}_3)_3 \rightarrow 3\text{AgNO}_3 + \text{CuBr}_3$		$3\text{HF} + \text{Al}(\text{OH})_3 \rightarrow 3\text{H}_2\text{O} + \text{AlF}_3$	
Reactants	Products	Reactants	Products

