

Name _____ Period _____

College Prep Chemistry of the Earth

Assignment 5V – Types of Reactions Review: Part 2

20 Points

For the following reactions, determine the reaction type, write the general form for the reaction, then identify the individual parts of the reaction.

Reaction Types – General Form

Combination	Decomposition	Single Replacement
$A + B \rightarrow AB$	$AB \rightarrow A + B$	$A + BC \rightarrow AC + B$
Double Replacement	Acid Base Neutralization	Combustion
$AB + CD \rightarrow AD + CB$	$HX + YOH \rightarrow HOH + YX$	$C_xH_y + O_2 \rightarrow CO_2 + H_2O$

Complete the following reactions

$4V(ClO_3)_3 + 3PbBr_4 \rightarrow 4VBr_3 + 3Pb(ClO_4)_4$		$2H_3PO_4 + 3Mg(OH)_2 \rightarrow 6HOH + Mg_3(PO_4)_2$	
Reaction Type		Reaction Type	
General Form		General Form	

A		B		A		B	
C		D		C		D	
AB		CD		AB		CD	
AD		CB		AD		CB	
Ratio				Ratio			

$3Ca + N_2 \rightarrow Ca_3N_2$		$4Cr + 3Pb(ClO_3)_4 \rightarrow 4Cr(ClO_3)_3 + 3Pb$	
Reaction Type		Reaction Type	
General Form		General Form	

A		B		A		B	
AB		Ratio		C		Ratio	
				BC		AC	