Name:_____

Type of Reaction and Balancing Quiz

synthesis:	$A + B \rightarrow AB$
decomposition:	$AB \rightarrow A + B$
single replacement: (hint – find elements)	$A + BC \rightarrow AC + B$ $D + BC \rightarrow BD + C$
double replacement:	$AB + CD \rightarrow AD + CB$
combustion of a hydrocarbon:	$C_xH_y + O_2 \rightarrow CO_2 + H_2O$

BALANCE!!!	REACTION TYPE
$Na_2S + AlCl_3 \rightarrow Al_2S_3 + NaCl$	
$Cl_2 + Al_2O_3 \rightarrow AlCl_3 + O_2$	
$Al_2(SO_4)_3 + NaCl \rightarrow AlCl_3 + Na_2SO_4$	
$Ba(NO_3)_2 + K_3PO_4 \rightarrow Ba_3(PO_4)_2 + KNO_3$	
$KCl \rightarrow K + Cl_2$	
$O_2 + CBr_4 \rightarrow CO_2 + Br_2$	
$C_3H_8 + O_2 \rightarrow CO_2 + H_2O$	
$C_6H_{14} + O_2 \rightarrow CO_2 + H_2O$	
$H_2 + O_2 \rightarrow H_2O$	
$KBr + Au(NO_3)_3 \rightarrow KNO_3 + AuBr_3$	
$Mo + O_2 \rightarrow Mo_2O_5$	
$Na + AuCl_3 \rightarrow NaCl + Au$	
$Al_2O_3 \rightarrow Al + O_2$	
$P_4 + O_2 \rightarrow P_2O_5$	
$Al_2S_3 \rightarrow Al + S$	