

Name _____ Period _____

College Prep Chemistry of the Earth

Assignment 4L – Writing Double Replacement Reactions

20 Points

Answer the following questions based on double replacement reactions

Define <i>Double Replacement Reaction</i>	Define <i>Acid Base Reaction</i>

For the following reactions, write the products of each reaction following the template provided. Show work for ionic compound

Reaction	$\text{SrCl}_2 + \text{V}_2\text{O}_3 \rightarrow \text{ ____ } + \text{ ____ }$ V = +3	Reaction	$\text{Al}_2\text{O}_3 + \text{CrF}_2 \rightarrow \text{ ____ } + \text{ ____ }$ Cr = +2
$\text{AB} + \text{CD} \rightarrow \text{AD} + \text{CB}$		$\text{AB} + \text{CD} \rightarrow \text{AD} + \text{CB}$	
AB		CD	

Formula	A	D	C	B
Ion Charge				
Cross Method				
AD CB				

Formula	A	D	C	B
Ion Charge				
Cross Method				
AD CB				

Reaction	$\text{K}_3\text{N} + \text{FeCl}_2 \rightarrow \text{ ____ } + \text{ ____ }$ Fe = +2	Reaction	$\text{TiS}_2 + \text{Mn}_2\text{O}_3 \rightarrow \text{ ____ } + \text{ ____ }$ Ti = +4 Mn = +3
$\text{AB} + \text{CD} \rightarrow \text{AD} + \text{CB}$		$\text{AB} + \text{CD} \rightarrow \text{AD} + \text{CB}$	
AB		CD	

Formula	A	D	C	B
Ion Charge				
Cross Method				
AD CB				

Formula	A	D	C	B
Ion Charge				
Cross Method				
AD CB				

Reaction	$\text{AlP} + \text{CuO} \rightarrow \underline{\hspace{1cm}} + \underline{\hspace{1cm}}$ Cu = +2			Reaction	$\text{SnSe}_2 + \text{AgI} \rightarrow \underline{\hspace{1cm}} + \underline{\hspace{1cm}}$ Sn = +4 Ag = +1		
AB + CD \rightarrow AD + CB				AB + CD \rightarrow AD + CB			
AB		CD		AB		CD	

Formula	A	D	C	B
Ion Charge				
Cross Method				
AD CB				

Formula	A	D	C	B
Ion Charge				
Cross Method				
AD CB				

Reaction	$\text{WN}_2 + \text{ZnF} \rightarrow \underline{\hspace{1cm}} + \underline{\hspace{1cm}}$ W = +6 Zn = +1			Reaction	$\text{Pb}_3\text{N}_2 + \text{FeBr}_2 \rightarrow \underline{\hspace{1cm}} + \underline{\hspace{1cm}}$ Pb = +4 Fe = +2		
AB + CD \rightarrow AD + CB				AB + CD \rightarrow AD + CB			
AB		CD		AB		CD	

Formula	A	D	C	B
Ion Charge				
Cross Method				
AD CB				

Formula	A	D	C	B
Ion Charge				
Cross Method				
AD CB				