Name _							Per	riod		
College	Prep Chemistr	y of the	Earth							
Assignn	nent 5P – Type	s of Rea	ctions – Double I	Replacei	ner	nt Reactions		20 Points		
Answer	the following q	uestions	5							
De	fine Double R	eplacem	ent Reaction	Define Acid Base Reaction						
2 state 2 saste respinsorment reaction										
Double Penlacement Praction Congret Form					Acid Rasa Ponetion Consul Form					
Double Replacement Reaction General Form					Acid Base Reaction General Form					
Why are gases or precipitates required for a double replacement reaction?					Define a Binary and Polyatomic Acid					
	double replac		eaction:							
What d	letermines whe	ether a c	ompound will be							
	aqueous or pro			Define a Base						
For the	following reac	tions. de	termine the react	ion type	. wi	rite the gener	al form	for the reaction.		
	ntify A, B, C, L			JF -	,		) • • • • •	,		
	$Na_2S + CaCl_2$	→ 2Na	$C1 \perp C_0 S$	$4Cu(NO_3)_3 + 3PbF_4 \rightarrow 4CuF_3 + 3Pb(NO_3)_4$						
	Na <sub>2</sub> S + CaC <sub>12</sub>	/ 21Nav	CI + CaS	4Cu(	NO	13)3   31014 .	/ 4Cur	3 + 3F b(1NO3)4		
Reaction				Reacti						
Туре				Туре						
General		General								
Form				Forn	1					
A		В		A			В			
С		D		С			D			
AB		CD		AB			CD			
AD		СВ		AD			CB			
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Ratio

Ratio

$3Ag_2SO_4 + 2Al(CN)_3 \rightarrow 6AgCN + Al_2(SO_4)_3$				HCl + NaOH → NaCl + HOH				
Reaction Type				Reaction Type				
Genera Form				Genera Form				
A		В		A		В		
С		D		С		D		
AB		CD		AB		CD		
AD		СВ		AD		СВ		
Ratio				Ratio				
$H_2CO_3 + 2ZnOH \rightarrow Zn_2CO_3 + 2HOH$								
H <sub>2</sub> (	$CO_3 + 2ZnOH$	→ Zn <sub>2</sub> C	CO <sub>3</sub> + 2HOH	4H <sub>3</sub> PC	$D_4 + 3Pb(OH)_4 =$	<b>→</b> Pb <sub>3</sub> (P	O <sub>4</sub> ) <sub>4</sub> + 12HOH	
H <sub>2</sub> O	on	→ Zn <sub>2</sub> C	CO <sub>3</sub> + 2HOH	4H <sub>3</sub> PC Reaction Type	on	→ Pb <sub>3</sub> (P	O <sub>4</sub> ) <sub>4</sub> + 12HOH	
Reaction	on al	→ Zn <sub>2</sub> C	CO <sub>3</sub> + 2HOH	Reaction	on al	→ Pb <sub>3</sub> (P	O <sub>4</sub> ) <sub>4</sub> + 12HOH	
Reaction Type General	on al	→ Zn <sub>2</sub> C	CO <sub>3</sub> + 2HOH	Reaction Type Genera	on al	<b>→</b> Pb <sub>3</sub> (P	O <sub>4</sub> ) <sub>4</sub> + 12HOH	
Reaction Type General Form	on al		CO <sub>3</sub> + 2HOH	Reaction Type General Form	on al		O <sub>4</sub> ) <sub>4</sub> + 12HOH	
Reaction Type General Form	on al	В	CO <sub>3</sub> + 2HOH	Reaction Type General Form	on al	В	O <sub>4</sub> ) <sub>4</sub> + 12HOH	
Reaction Type General Form A C	on al	B D	CO <sub>3</sub> + 2HOH	Reaction Type General Form A C	on al	B D	O <sub>4</sub> ) <sub>4</sub> + 12HOH	

Note: HOH is the acid/base form of  $H_2O$  (Water)