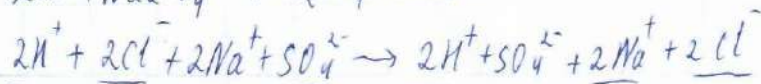
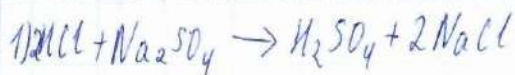
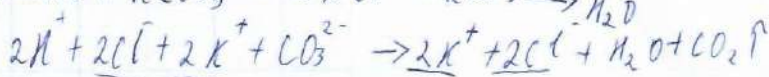
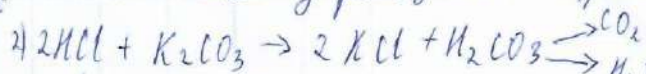


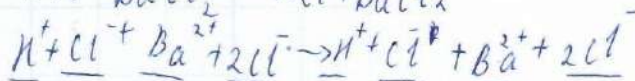
	HCl	Na_2SO_4	K_2CO_3	BaCl_2	FeSO_4
HCl			$\text{CO}_2 \uparrow$		
Na_2SO_4				$\text{BaSO}_4 \downarrow$	
K_2CO_3	CO_2			$\text{BaCO}_3 \downarrow$	$\text{FeCO}_3 \downarrow$
BaCl_2		$\text{BaSO}_4 \downarrow$	$\text{BaCO}_3 \downarrow$		$\text{BaSO}_4 \downarrow$
FeSO_4			$\text{FeCO}_3 \downarrow$	$\text{BaSO}_4 \downarrow$	



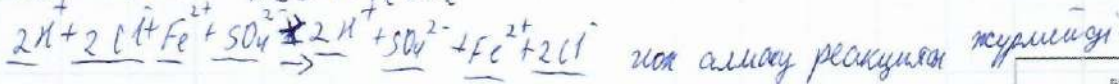
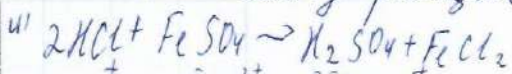
ион алмасу реакциясы жүрмейді



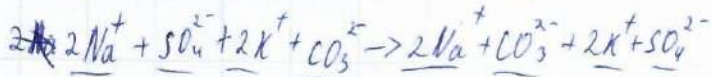
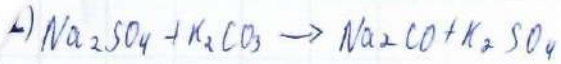
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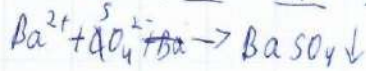
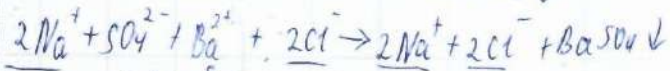
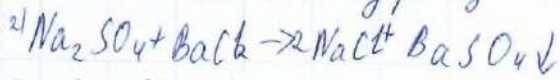
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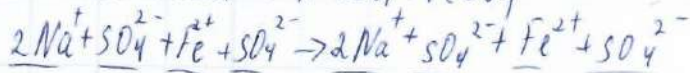
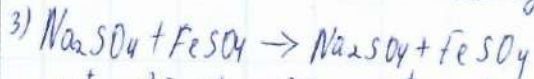
Парақтың артқы жағын толтырмаңыз / Обратную сторону листа не заполнять



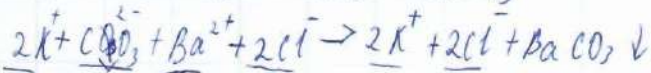
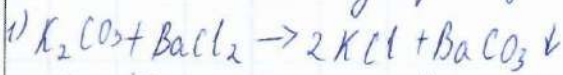
ион алмасу реакциясы түріндегі



ион алмасу реакциясы түріндегі

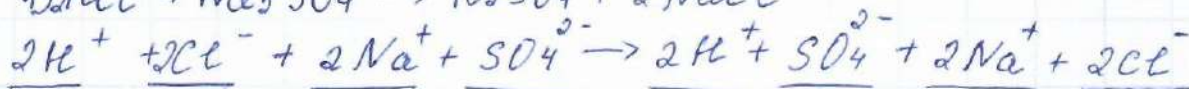


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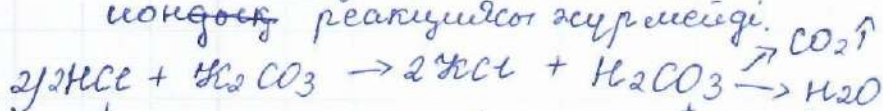
ион алмасу реакциясы түріндегі

	HCl	Na ₂ SO ₄	K ₂ CO ₃	BaCl ₂	FeSO ₄
HCl			CO ₂ ↑		
Na ₂ SO ₄				BaSO ₄ ↓	
K ₂ CO ₃	CO ₂ ↑			BaCO ₃ ↓	FeCO ₃ ↓
BaCl ₂		BaSO ₄ ↓	BaCO ₃ ↓		BaSO ₄ ↓
FeSO ₄			FeCO ₃ ↓	BaSO ₄ ↓	

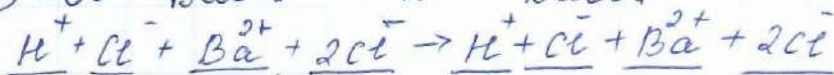


ион алмасу

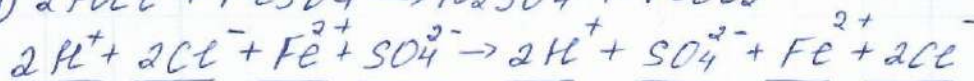
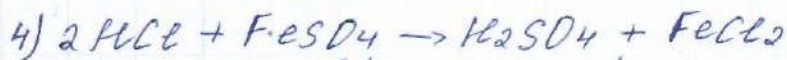
иондық реакциясы жүрмейді.



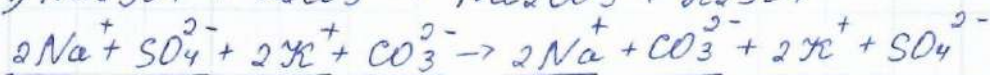
ион алмасу реакциясы жүреді



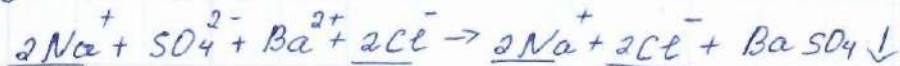
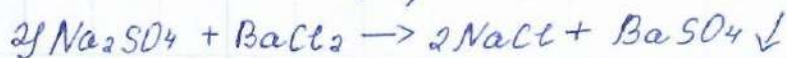
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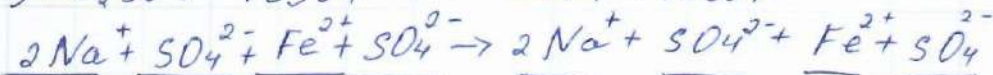
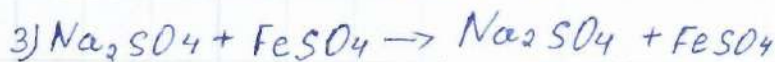
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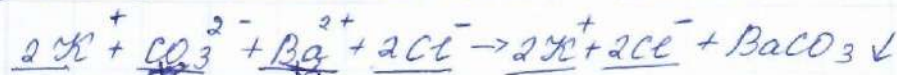
ион алмасу реакциясы жүрмейді



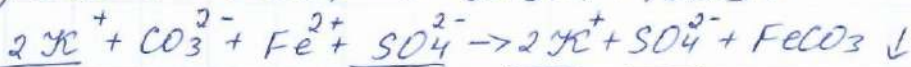
$Ba^{2+} + SO_4^{2-} \rightarrow BaSO_4 \downarrow$ ион алмасу реакциясы жүреді



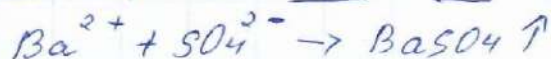
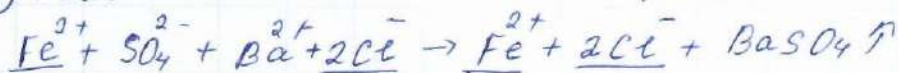
ион алмасу реакциясы жүрмейді.



ион алмасу реакциясы жүреді

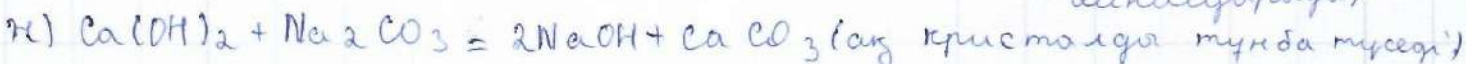
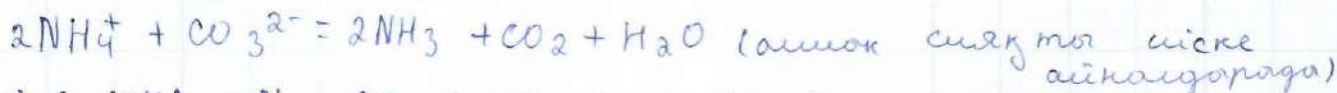
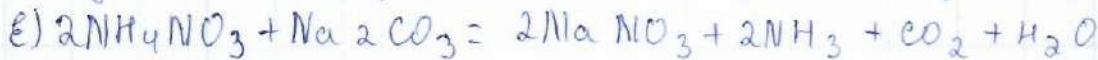
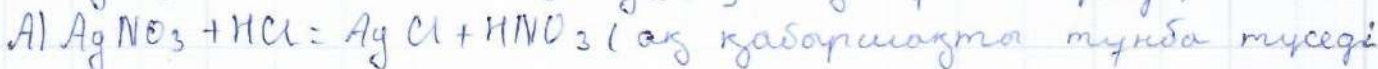
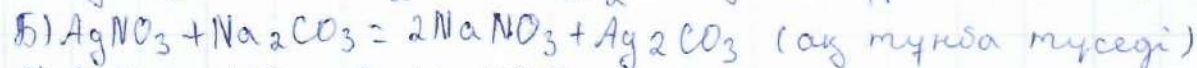
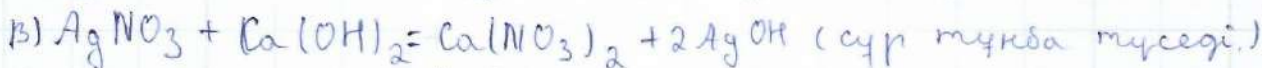
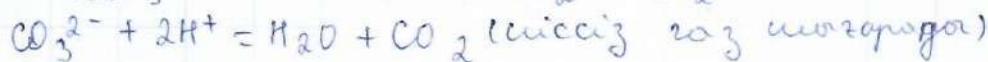
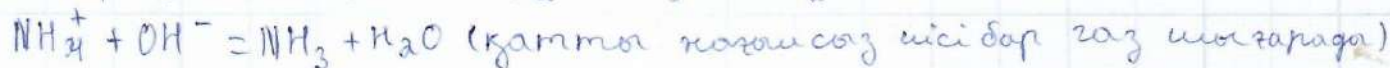
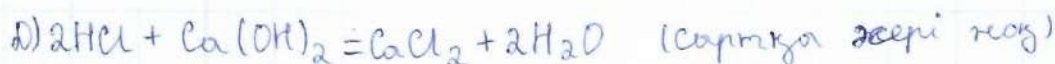


$Fe^{2+} + CO_3^{2-} \rightarrow FeCO_3 \downarrow$ ион алмасу реакциясы жүреді

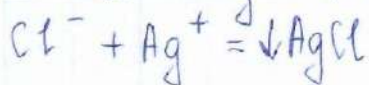
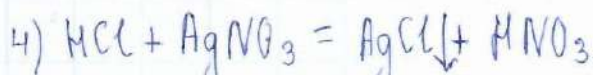
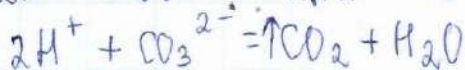
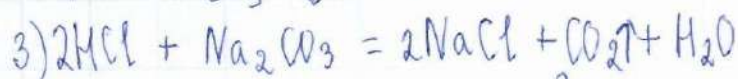
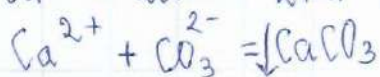
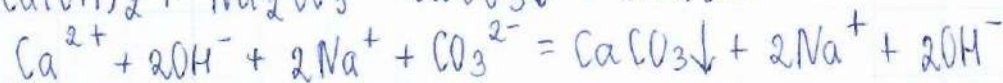
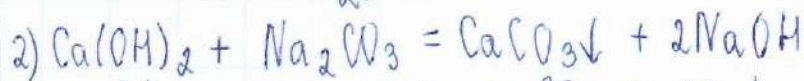
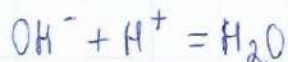
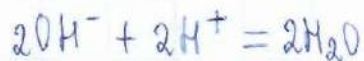
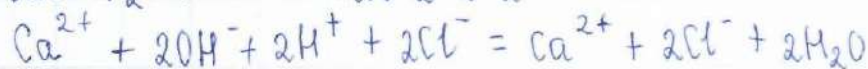
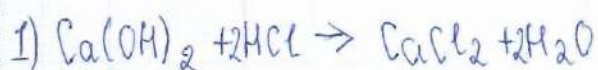


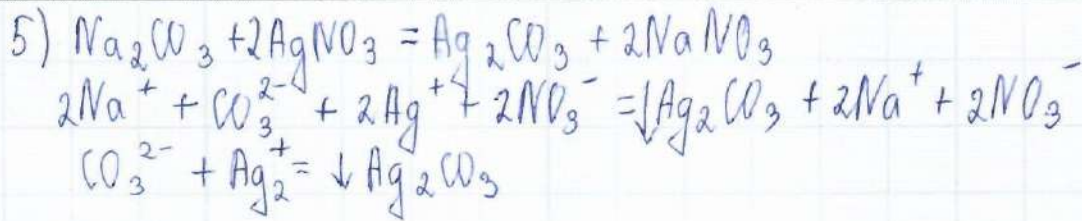
ион алмасу реакциясы жүреді

	$AgNO_3$	HCl	Na_2CO_3	NH_4NO_3	$Ca(OH)_2$
$AgNO_3$		a) ↓ ас	б) ↓ ас	—	в) сұр
HCl	a) ↓ ас		2) ↑ CO_2	—	г) + белгі жоқ
Na_2CO_3	б) ↓ ас	2) ↑ CO_2		е) ↑ ?	к) ↓ ас
NH_4NO_3	—	—	е) ↑ ?		3) ↑ NH_3
$Ca(OH)_2$	в) сұр	г) + белгі жоқ	к) ↓ ас	3) ↑ NH_3	



	Ca(OH)_2	HCl	Na_2CO_3	NH_4NO_3	AgNO_3
Ca(OH)_2		H_2O	$\downarrow \text{CaCO}_3$		
HCl	H_2O		$\uparrow \text{CO}_2$		$\downarrow \text{AgCl}$
Na_2CO_3	$\downarrow \text{CaCO}_3$		$\uparrow \text{CO}_2$		$\downarrow \text{Ag}_2\text{CO}_3$
NH_4NO_3					
AgNO_3		$\downarrow \text{AgCl}$	$\downarrow \text{Ag}_2\text{CO}_3$		





	$Ca(OH)_2$	HCl	Na_2CO_3	NH_4NO_3	$AgNO_3$
$Ca(OH)_2$		H_2O	$CaCO_3 \downarrow$		
HCl	H_2O		$CO_2 \uparrow$		$AgCl \downarrow$
Na_2CO_3	$CaCO_3 \downarrow$	$CO_2 \uparrow$			$Ag_2CO_3 \downarrow$
NH_4NO_3					
$AgNO_3$		$AgCl \downarrow$	$Ag_2CO_3 \downarrow$		

