



(2254 / 25 ° ).

[1]

[2]

25 – 600 ° .

( 20 25 ° ) 100 ° .

– 20 °

( ),

1000 ° .

500 – 800° .

[3 – 4].

[3 – 4].

230 – 260 ° [5].

230 – 260 ° .

( 100 ° )

[2]

(NH<sub>4</sub>)<sub>2</sub>CO<sub>3</sub>, NH<sub>4</sub>HCO<sub>3</sub>.

: MgCO<sub>3</sub>, MnCO<sub>3</sub>, FeCO<sub>3</sub>,

[6].

°<sub>298</sub>

1.

1

( °<sub>298</sub>)

	MgCO <sub>3</sub>	MnCO <sub>3</sub>	FeCO <sub>3</sub>	(NH <sub>4</sub> ) <sub>2</sub> CO <sub>3</sub>	NH <sub>4</sub> HCO <sub>3</sub>
° <sub>298</sub> , /	1202,4	896,5	685,3	1782,3	1572,6

(101,3 ).

[7]

100 °

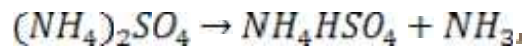
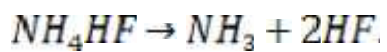
2

25 °

2

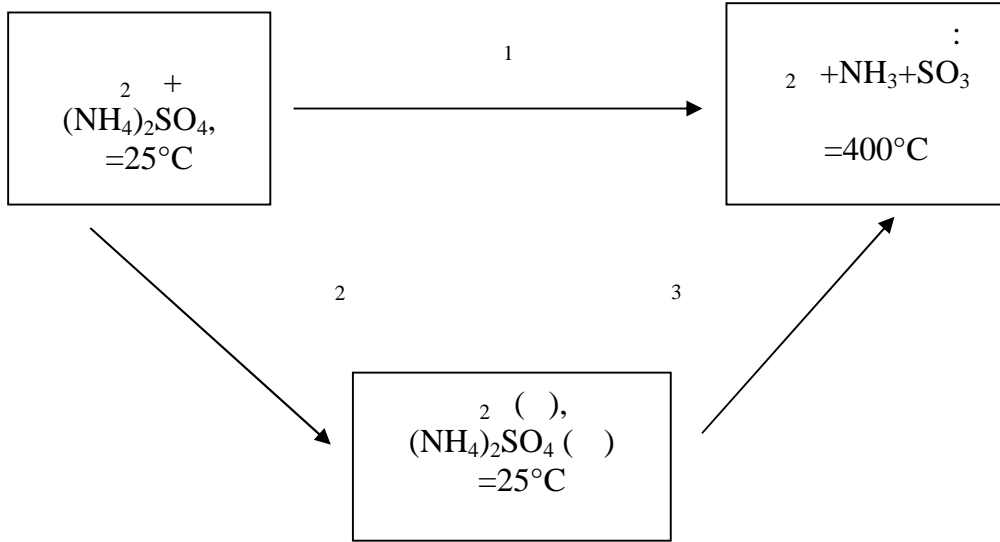
( ), ( °<sub>298</sub>)  
(S)

	NH <sub>4</sub> F	NH <sub>4</sub> Cl	NH <sub>4</sub> Br	NH <sub>4</sub> I	(NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub>
, °	238	338	394	405	>218
° <sub>298</sub> , /	3895	3284	1939	1250	3815
S, /100	37,0	37,2	74,2	172,3	76,9



( , (VI)).

25 ° 1  
 1 30 %  
 $(\text{NH}_4)_2\text{SO}_4$ .  
 [1].  
 ).



25°C  
 400°C

$$I = 2 + 3 \quad (1)$$

$(\text{NH}_4)_2\text{SO}_4$ , 1  
 $(\text{NH}_4)_2\text{SO}_4$ , 3 -  
 $(\text{NH}_4)_2\text{SO}_4$ , 2 -  
 :

$$2 = - \quad (2)$$

$$(2) \quad (1) \quad :$$

$$I = 3 - \quad (3)$$

$$G_3 = G_2 \cdot \left( \frac{1}{1 - \frac{1}{3} \cdot \frac{1}{3324}} \right)$$

$$G_3((NH_4)_2SO_4) = 3324 \cdot \left( \frac{1}{1 - \frac{1}{3} \cdot \frac{1}{3324}} \right)$$

$$G_3((NH_4)_2SO_4) = m \cdot C_p(NH_4)_2SO_4 \cdot T + m \cdot C_{NH_4} = 0,3 \cdot 1,42 \cdot (400 - 25) + 0,3 \cdot 3815 = 1305$$

0,7

$$G_2 = 3324 \cdot 0,7 = 2327$$

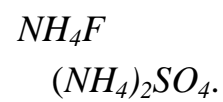
$$G_3 = G_3((NH_4)_2SO_4) + G_2 = 1305 + 2327 = 3632$$

[8, 9].

1 30 %  $(NH_4)_2SO_4$  159 /

$$I = G_3 - 159 = 3632 - 159 = 3473$$

5 %



: 1. //  
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10.09.2007

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. . . . , . . . . , “ ’ ” ,  
 . . . . , . . . . , ” ”

Activity analysis of the famous chemist-scientists, which have become leaders in the forming of scientific schools in chemistry sciences is transacted. Urgency of their activity is inserted and characters domestic scientific schools development, which had wide and important directions of the investigations are rated.