

8

:

8-1 (16)

$K_2O - KOH$; $CrO_3 - H_2CrO_4$; $FeO - Fe(OH)_2$; $N_2O_5 - HNO_3$; $SO_2 - H_2SO_3$; $Cl_2O - HClO$; $Mn_2O_7 - HMnO_4$, $Al_2O_3 - Al(OH)_3$.

:

-2 -

16 .

8-2 (16)

- 1) $Fe_2O_3 + 2Al = 2Fe + Al_2O_3$
- 2) $Na_2SO_3 + 2HCl = 2NaCl + SO_2 + H_2O$
- 3) $Mg_3N_2 + 6H_2O = 3Mg(OH)_2 + 2NH_3$
- 4) $Pb + PbO_2 + 2H_2SO_4 = 2PbSO_4 + 2H_2O$.

:

4 .

-16 .

8-3 (16)

1.

:

$$t_1 = 273 + 15 = 288 \text{ ,}$$

$$t_2 = 273 + 60 = 333 \text{ ,}$$

$$V_1 = 3,04 \cdot 10^5 = 304000 \text{ .}$$

2.

$$\frac{P_1}{T_1} = \frac{P_2}{T_2}$$

(

), :

$$V_2 = 304000 \cdot 333 / 288 = 351500 \text{ .}$$

:

16 .

8-4 (18)

1.

$$n = m/M.$$

1

$$1000 \text{ , . . (} t_2 \text{)} = 1 / . n = 1000 / 18 /$$

= 55,6

3.

$$N = N/N_A. N = 55,6 \cdot 6,02 \cdot 10^{23} = 3,35 \cdot 10^{25}.$$

:

-6 ,

-7 .

-5

8-5 (20)

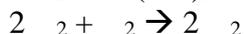
1.

$$- 2, 2, 2, N_2.$$

2.



$$3 + 2$$



-4 : -8 ,
 -8 .

8-6 (14)
1), 3), 4), 6), 7) - ; 2), 5) - .

: 1 . 1