

(1 atm) (25°C) (50 g) C₆H₁₂O₆ (18 g) -6
 : (P_{H₂O}^o = 24.5 torr)
 21.3 (23.65 (32.65 (22.3 (

(-0.6°C) (100 g) (5 g) -7
 : (g/mol) (k_f(H₂O) = 1.86°C/m)
 170 (145 (165 (155 (

(X_A = 0.31) (P_A^o = 37 torr) (B) (A) -8
 : (torr) (P_B^o = 100 torr)
 114 (80.47 (137 (52 (

(25°C) (1 atm) 8×10⁻³M -9
 : (0.87 atm) (mol L⁻¹)
 8.6×10⁻³ (6.96×10⁻³ (7.48×10⁻³ (9.8×10⁻⁶ (

(2.2 L) C₆H₁₂O₆ -10
 : (50°C) (3.117 atm)
 69.2 (96.2 (44.6 (46.44 (

Rate = k[M]²[N] 2M + 2N → P + 3Q -11

:
 .P M k (. N M ((

.P M (.(3) (

: -12

. (((

.Rate = k[A]^x A → B -13

:

(M/min)	[M] (M)	
2.24×10 ⁻⁴	1.04×10 ⁻²	1
4.48×10 ⁻⁴	2.08×10 ⁻²	2



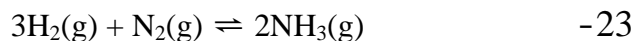
:(D) (C)

.(B) (A) (

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.(B) (A) (

(d) (c) (b) (a) (



:(Q = 0.5) (K_c = 0.105)

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$K_p = K_c(RT)$ ($K_c = K_p(RT)^{-1}$ (

$K_p = \frac{K_c}{(RT)}$ ($K_c = K_p$ (



:

[NH₃] = 0.0023 M, [N₂] = 0.23 M, [H₂] = 0.055 M

: K_c

6.6×10⁻³ (5.1×10⁻³ (4.2×10⁻² (1.38×10⁻¹ (



: (atm²) K_p (K_c(1500°C) = 5.67)

4×10^4 (17×10^7 (1.2×10^5 (6×10^4 (



: N_2O

. NO (.NO (

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$(K_c(760^\circ\text{C}) = 33.3)$ Cl_2 $1.87 \times 10^{-1}\text{M}$ PCl_5 $1.29 \times 10^{-3}\text{M}$

: PCl_3

2.3×10^{-4} (5.2×10^{-1} (2.3×10^{-1} (2.4×10^{-4} (



$\text{NOCl} = 0.15, \text{Cl}_2 = 0.18, \text{NO} = 0.65$: (atm)

: (K_p)

3.13 (0.220 (0.296 (0.314 (



: $(K_c(2500\text{K}) = 3.6 \times 10^{-3})$ $(K_c(2000\text{K}) = 4.08 \times 10^{-4})$

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10	9	8	7	6	5	4	3	2	1	
20	19	18	17	16	15	14	13	12	11	
30	29	28	27	26	25	24	23	22	21	