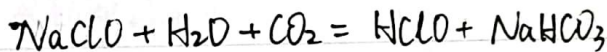
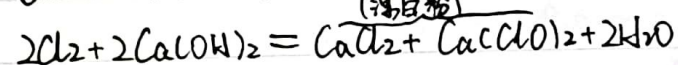
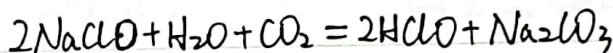
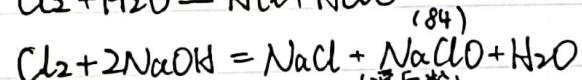
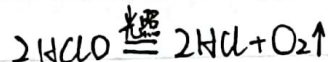
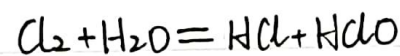
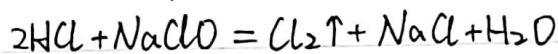
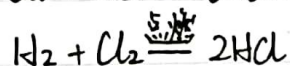
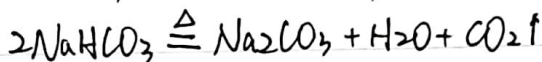
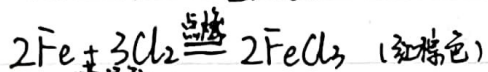
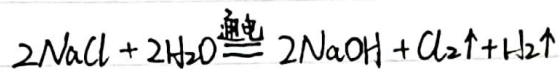
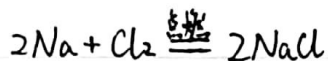
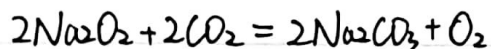
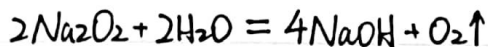
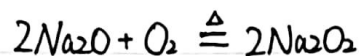
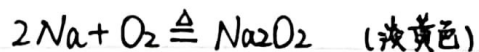
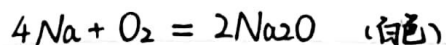
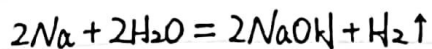


# 第一单元方程式

课外



## 第一单元公式

$$N_A = 6.02 \times 10^{23} \text{ mol}^{-1}$$

$$n = \frac{N}{N_A}$$

$$M = \frac{m}{n} \quad (M \text{ 以 } g/mol \text{ 为单位时数值上等于 } M_r) \Rightarrow n = \frac{m}{M}, \quad m = Mn$$

$$V_m = \frac{V}{n} \quad (\text{STP - 标准状况 } -0^\circ\text{C}, 101\text{kPa} \text{ 下 } V_m = 22.4\text{L/mol}) \quad pV = nRT$$

$$C_B = \frac{n_B}{V} \quad g/mol \text{ 时 } = M_r$$

微观  $N \xrightarrow{\div N_A} n \xrightarrow{\times M} m \xrightarrow{\div V} C$  宏观

$6.02 \times 10^{23} \text{ mol}^{-1}$  STP 22.4L/mol

