№4

$Cu(NO_3)_2 + Zn \rightarrow Zn(NO_3)_2 + Cu$

$Ag(NO_3)_2 + Zn \rightarrow ZnNO_3 + Ag$

$NaI + Cl_2 \rightarrow Cl_2I + Na$

$Na_2S + Cl_2 \rightarrow Cl_2S + Na$

№3

Q-?

$m = 1{,}7кг$

$T_1 = 25°C$

$T_2 = 100°C$

$C_S = 4186 Дж кг^{-1} К^{-1}$

$Q = mc_S\Delta T$

$\Delta T = T_2 - T_1 = 100 - 25 = 75°C$

$Q = 1{,}7 \cdot 75 \cdot 4186 = 210645$

№3

Q-?

V=1л

T=25°C

m=350г

$Q = mL_f$

$L_f = 1кг = 350г$

$Q = 350 \cdot 350 = 92500$

№1

Zn + Se

ω-?

$M(Zn) = 65$

$M(Se) = 78$

$\omega_{Zn} = \frac{M}{m} = \frac{65}{90} = \frac{13}{18}$

$\omega_{Se} = \frac{78}{30} = \frac{34}{15}$