**TUẦN 9 - HÓA 9**

**ĐÁP ÁN ÔN HỌC SINH YẾU**

**Câu 1:**

CuSO4 Cu(OH)2  CuO  CuCl2  NaCl

**Giải**

1. CuSO4 + 2NaOH → Cu(OH)2 + Na2SO4

t0

1. Cu(OH)2 CuO + H2O
2. CuO + 2HCl → CuCl2 + H2O
3. CuCl2 + 2NaOH → Cu(OH)2 + NaCl

**Câu 2:**

1. CO2  + 2NaOH → Na2CO3 + H2O
2. K2O + H2O → 2KOH
3. Mg(OH)2 + H2SO4 → MgSO4 + 2H2O
4. CuSO4 + 2NaOH → Cu(OH)2 + Na2SO4
5. AgNO3 + HCl  AgCl + HNO3
6. BaCl2 + Na2SO4 → BaSO4 + 2NaCl
7. 2AgNO3 + Cu → Cu(NO3)2 + 2Ag

**Câu 3**: 500 ml = 0,5 (l)

MgCl2 + 2NaOH → Mg(OH)2 + 2NaCl

1 2 1 2 mol

0,375 ← 0,75 → 0,375 mol

$$n\_{NaOH}= \frac{m}{M}=\frac{30}{23+16+1}=0,75 (mol)$$

$n\_{Mg(OH)\_{2}}$ $=$ $\frac{0,75×1}{2}=0,375 (mol)$

t0

Mg(OH)2  MgO + H2O

1 1 1 mol

0,375 → 0,375 mol

$n\_{MgO}$ $=$ $\frac{0,375×1}{1}=0,375 (mol)$

$$m\_{MgO}= n×M=0,375×(24+16)=15 (g)$$

$n\_{MgCl\_{2}}$ $=$ $\frac{0,75×1}{2}=0,375 (mol)$

$$c\_{M\_{MgCl\_{2}}}= \frac{n}{V}=\frac{0,375}{0,5}=0,75 (M)$$