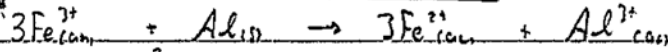
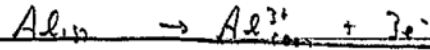
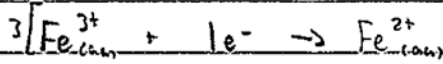
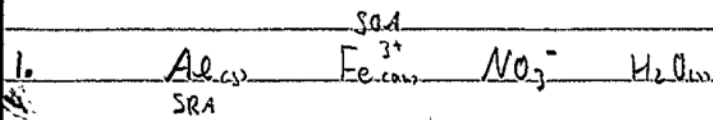


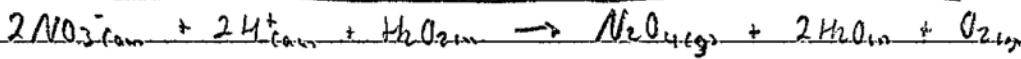
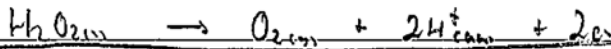
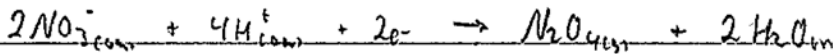
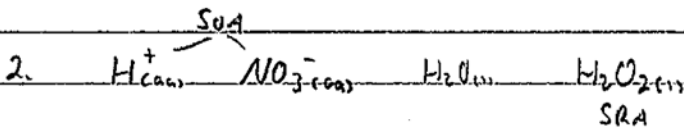
Redox Stoichiometry



$$n = 0.3057 \quad m = 2.75\text{g}$$

$$v = 0.250\text{L} \quad M = 26.98\text{g/mol}$$

$$c = 1.22\text{mol/L} \quad n = 0.1019\text{...}$$



$$n = 0.15\text{mol} \quad c = 1.50\text{mol/L}$$

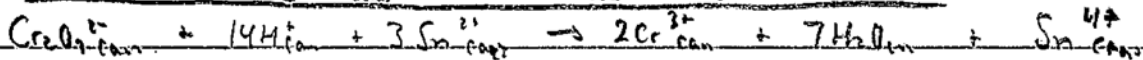
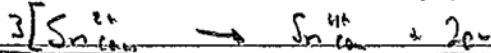
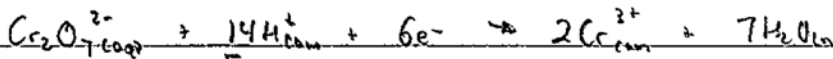
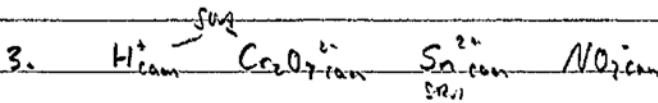
$$v = 6.00\text{ml/L} \quad v = 0.050\text{L}$$

$$v = \frac{n}{c} \quad n = c \cdot v$$

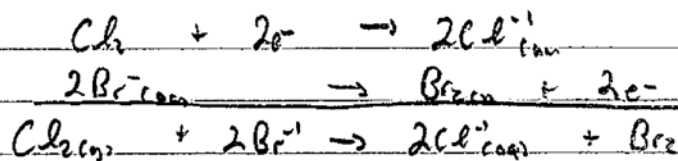
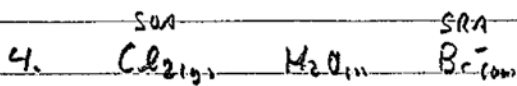
$$= 0.075\text{mol}$$

$$= 0.0250\text{L}$$

$$= 25.0\text{mL}$$



Redox Stoich (cont'd)



$n = 0.000 \text{ mol}$ $\times \frac{1}{2} c = 0.00020 \text{ mol/l}$

$M = 70.90 \text{ g/mol}$

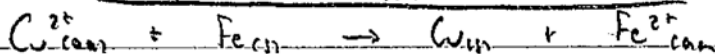
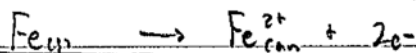
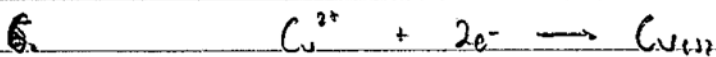
$m = nM$

$\boxed{= 7.1 \text{ g}}$

$v = 1000 \text{ L}$

$n = cv$

$= 0.20 \text{ mol}$



$n = 0.05 \text{ mol}$ $\times \frac{1}{2} v = 25 \text{ L}$

$M = 63.55 \text{ g/mol}$

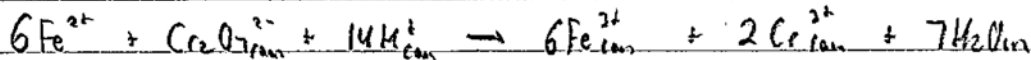
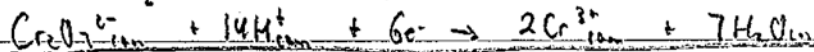
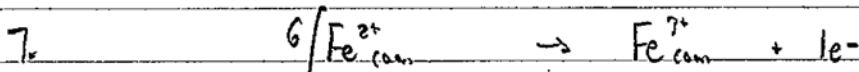
$m = nM$

$\boxed{= 3.2 \text{ g}}$

$c = 0.0020 \text{ mol/l}$

$n = cv$

$= 0.05 \text{ mol}$



$v = 0.025 \text{ L}$ $c = 0.0500 \text{ mol/L}$

$n = 0.0125 \text{ mol}$ $\times \frac{6}{2} v = 45.0 \text{ mol} = 0.045 \text{ L}$

$\boxed{c = 0.540 \text{ mol/L}}$

$n = 0.00225 \text{ mol}$