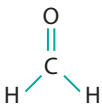



PADRÃO DE RESPOSTAS – QUÍMICA

Questão	Resposta	Pontuação
1	A) 	5,0
	B) $C_1 \times M_1 = C_2 \times M_2$ $70 \times 500 = 40 \times M_2$ $M_2 = 875 \text{ g}$ $M_{\text{H}_2\text{O}} = 875 - 500 = 375 \text{ g}$	5,0
2	A) HCl	5,0
	B) $\text{pH} = -\log [\text{H}^+] = -\log 0,01 = -\log 10^{-2} = 2$	5,0
3	A) $\text{O}=\text{O}-\text{O}$	5,0
	B) $\Delta H^0 = (90+143) - (0+34) = 199 \text{ kJ.mol}^{-1}$	5,0
4	A) 	5,0
	B) 2-metil-propan-2-ol	5,0
5	A) $\left\{ \begin{array}{l} 160 \text{ g Fe}_2\text{O}_3 \rightarrow 112 \text{ g Fe} \\ X \rightarrow 56 \text{ g} \end{array} \right. \quad X = 80 \text{ g Fe}_2\text{O}_3$ $\left\{ \begin{array}{l} 100 \text{ kg} \rightarrow 100\% \\ 80 \text{ g} \rightarrow Y\% \end{array} \right. \quad Y = 80\%$	5,0
	B) $\left\{ \begin{array}{l} 56 \text{ g} \rightarrow 6 \times 10^{23} \text{ átomos} \\ 56.000 \text{ g} \rightarrow Z \end{array} \right. \quad Z = 6 \times 10^{26} \text{ átomos}$	5,0