



QUÍMICA

APLICADA A TRATAMENTO DE ÁGUAS E EFLUENTES

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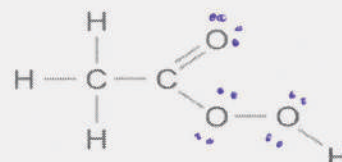
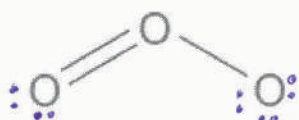
AUTOAVALIAÇÃO #2

RESPOSTAS

EXERCÍCIOS Módulos 3 e 4

(Respostas)

Questão-1



Questão-2

Al (Z=13) $1s^2 2s^2 2p^6 3s^2 3p^1$ $Al^{3+} = s^2 2s^2 2p^6 \underline{3s^0 3p^0 3d^0} \rightarrow$ orbital sp^3d^2

Questão-3

$$50 \mu\text{g} \times \left(\frac{94,97}{30,97} \right) = \underline{153,33 \mu\text{g PO}_4^{3-}} \quad 50 \mu \times \left(\frac{109,94}{61,94} \right) = \underline{88,75 \mu\text{g P}_2\text{O}_3}$$

Questão-4

$$10 \text{ m}^3/\text{h} \times 15 \text{ g}/\text{m}^3 \times 12\text{h} = 1800 \text{ g NO}_3^- \times \left(\frac{1 \text{ Eq}}{62 \text{ g}} \right) = 29,03 \text{ Eq} \times \left(\frac{1 \text{ L}}{0,9 \text{ Eq}} \right) = \underline{32,26 \text{ litros de resina}}$$

$$E_{\text{NO}_3^-} = \frac{M}{1} = \frac{62}{1} = 62 \text{ g}/\text{Eq}$$



SAIBA MAIS:

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