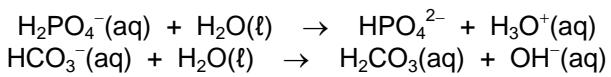




QUESTÕES DISCURSIVAS

**Questão 01** (Peso 3)

As equações a seguir representam reações ácido-base de Brönsted-Lowry. Identifique em qual a água atua como ácido, em qual atua como base e justifique sua resposta.



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**QUESTÕES DISCURSIVAS**

**Questão 02 (Peso 2)**

Descreva o que acontece quando um sólido iônico,  $M^+X^-$ , se dissolve em água. Faça desenhos para representar as espécies químicas presentes na solução.

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**QUESTÕES DISCURSIVAS**

**Questão 03 (Peso 2)**

O processo de dissolução de algumas substâncias em água ocorre com liberação de calor e o de outras, com absorção. Explique esses fatos.

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**QUESTÕES DISCURSIVAS**

**Questão 04 (Peso 3)**

Com base no modelo atômico de Bohr, explique por que “o átomo de magnésio é menor que o de cálcio e também menor que o de sódio”.

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**QUESTÕES DISCURSIVAS**

**Questão 05 (Peso 1)**

Calcule o volume ocupado por 10,0g de dióxido de carbono gasoso ( $\text{CO}_2$ ) nas CNTP.

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X



EXAME 2015

Rascunho



X



EXAME 2015

Rascunho



X

OLIMPÍADA BAIANA  
de QUÍMICA



EXAME 2015

Rascunho