

Acids, Bases, and Salts Review

① An Arrhenius acid is defined as any compound dissociating in an aqueous solution to form _____ ions. Example: $\text{HNO}_3(\text{aq.}) \rightarrow \text{H}^+(\text{aq.}) + \text{NO}_3^-(\text{aq.})$. Complete the following equation:



② An Arrhenius base is defined as any compound dissociating in an aqueous solution to form _____ ions. Example: $\text{KOH}(\text{aq.}) \rightarrow \text{K}^+(\text{aq.}) + \text{OH}^-(\text{aq.})$. Complete the following equation:



③ Salts are compounds that dissociate in an aqueous solution releasing neither _____ nor _____ ions. Example: $\text{KCl}(\text{aq.}) \rightarrow \text{K}^+(\text{aq.}) + \text{Cl}^-(\text{aq.})$. Complete the following equation:



④ A solution that has strong conductivity and reacts with the metal to make hydrogen gas is a

a Strong Base b Weak Base c Strong Acid d Weak Acid

Answers _____

⑤ Which of the following is slippery to touch?

a Strong Acid b Strong Base c Strong Electrolyte d Water

Answers _____

⑥ The hydronium ion is

a H_3O^+ b H_2O c OH^- d H_2

Answers _____

⑦ A substance that changes color in an acidic or basic solution is called

a Neutralizer b Inhibitor c pH indicator d Catalyst

Answers _____

⑧ Name the following acids and bases

HF _____

HNO_3 _____

KOH _____

$\text{Mg}(\text{OH})_2$ _____

Answers Sheet For Acids Bases And Salts

Alyssa Fox-Charles

Answers Sheet For Acids Bases And Salts:

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