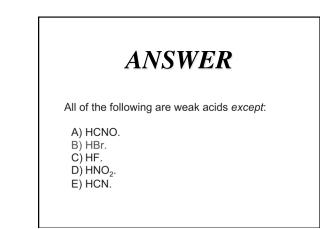
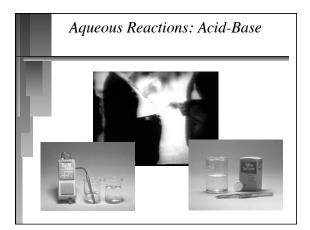
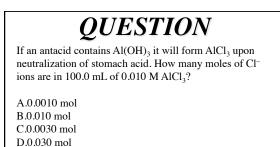


QUEST All of the following are weak acids <i>except</i> : A) HCNO. B) HBr. C) HF. D) HNO ₂ . E) HCN.	Selected Acids and Bases Acids Strong Hydrociromic acid, HCI Hydrociromic acid, HCI Hydrocirodic di, HI Nitric acid, HNO, Suffuric acid, HSO, Perchioric acid, HCO, Phosphoric acid, HSO, Phosphoric acid, HFP Phosphoric acid, HFP Phosphoric acid, HFP Acetic acid, CHSCOOH for HC2HSO, Strong Sodium hydroxide, NaOH Potasalum hydroxide, KOH Calcium hydroxide, Sr(OH); Barium hydroxide, Sr(OH); Barium hydroxide, Sr(OH); Barium hydroxide, Sr(OH);

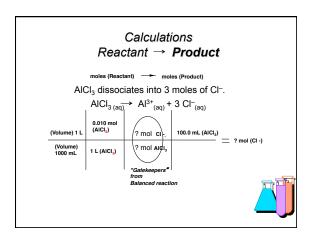


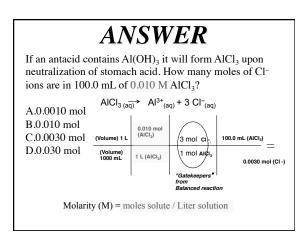


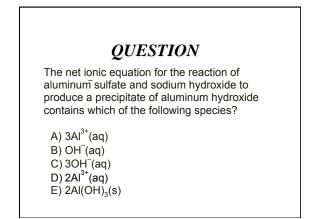


Molarity (M) = mol $AICl_3$ / Liter solution

mol $AICI_3 = Molarity AICI_3 x$ Volume solution (L)







 $2 \operatorname{PO}_4^{3-}(\operatorname{aq}) + \operatorname{Al}^{3+}(\operatorname{aq}) \rightarrow \operatorname{Al}(\operatorname{OH})_3(s)$

ANSWER

The net ionic equation for the reaction of aluminum sulfate and sodium hydroxide contains which of the following species?

A) 3Al³⁺(aq) B) OH⁻(aq) C) 3OH⁻(aq) D) 2Al³⁺(aq) E) 2Al(OH)₃(s)

QUESTION

$H_2SO_{4(aq)}$ + $Ba(OH)_{2(aq)}$ \rightarrow $BaSO_{4(s)}$ + $2H_2O_{(l)}$

20 drops of a 0.10M aqueous solution of sulfuric acid₄ is added to 20 drops of a 0.10M solution aqueous solution of barium hydroxide, $Ba(OH)_2$. The reaction is monitored using a conductivity tester. Predict the correct statement(s).

I) Both $\mathrm{H_2SO_4}$ and $\mathrm{Ba(OH)_2}$ are strong electrolytes.

II) This is a neutralization reaction.

III) This is a precipitation reaction.

IV) The light bulb will glow at the neutralization point.

A) II	B) I and II
C) I, II and III	D) I, II, III and IV

Answer

$H_2SO_{4(aq)}$ + $Ba(OH)_{2(aq)}$ \rightarrow $BaSO_{4(s)}$ + $2H_2O_{(l)}$

20 drops of a 0.10M aqueous solution of sulfuric acid₄ is added to 20 drops of a 0.10M solution aqueous solution of barium hydroxide, Ba(OH)₂. The reaction is monitored using a conductivity tester. Predict the correct statement(s).

I) Both $\mathrm{H}_2\mathrm{SO}_4$ and $\mathrm{Ba}(\mathrm{OH})_2$ are strong electrolytes.

II) This is a neutralization reaction.

III) This is a precipitation reaction.

IV) The light bulb will glow at the neutralization point.

A) II	B) I and II
C) I, II and III	D) I, II, III and IV