

Answers to Practice Problems in page 273

Answers to Practice Problems C

- $\text{HgCl}_2 + 2\text{AgNO}_3 \rightarrow \text{Hg}(\text{NO}_3)_2 + 2\text{AgCl}$
- $2\text{Al} + 3\text{Hg}(\text{CH}_3\text{COO})_2 \rightarrow 2\text{Al}(\text{CH}_3\text{COO})_3 + 3\text{Hg}$
- $3\text{Ca}(\text{OH})_2 + 2\text{H}_3\text{PO}_4 \rightarrow \text{Ca}_3(\text{PO}_4)_2 + 6\text{H}_2\text{O}$

Homework GENERAL

Additional Practice Balance each of the following equations.

- $\text{Pb}(\text{NO}_3)_2 + \text{Na}_2\text{CrO}_4 \rightarrow \text{PbCrO}_4 + \text{NaNO}_3$
Ans. $\text{Pb}(\text{NO}_3)_2 + \text{Na}_2\text{CrO}_4 \rightarrow \text{PbCrO}_4 + 2\text{NaNO}_3$
- $\text{K}_2\text{SO}_4 + \text{Ca}(\text{NO}_3)_2 \rightarrow \text{CaSO}_4 + \text{KNO}_3$
Ans. $\text{K}_2\text{SO}_4 + \text{Ca}(\text{NO}_3)_2 \rightarrow \text{CaSO}_4 + 2\text{KNO}_3$
- $(\text{NH}_4)_3\text{PO}_4 + \text{Mg}(\text{CH}_3\text{COO})_2 \rightarrow \text{Mg}_3(\text{PO}_4)_2 + \text{NH}_4\text{CH}_3\text{COO}$ **Ans.**
 $2(\text{NH}_4)_3\text{PO}_4 + 3\text{Mg}(\text{CH}_3\text{COO})_2 \rightarrow \text{Mg}_3(\text{PO}_4)_2 + 6\text{NH}_4\text{CH}_3\text{COO}$
- $\text{MoO}_3 + \text{H}_2\text{SO}_4 + \text{Zn} \rightarrow \text{Mo}_2\text{O}_3 + \text{H}_2\text{O} + \text{ZnSO}_4$ **Ans.**
 $2\text{MoO}_3 + 3\text{H}_2\text{SO}_4 + 3\text{Zn} \rightarrow \text{Mo}_2\text{O}_3 + 3\text{H}_2\text{O} + 3\text{ZnSO}_4$

 **Logical**