

Balancing Chemical Equations :

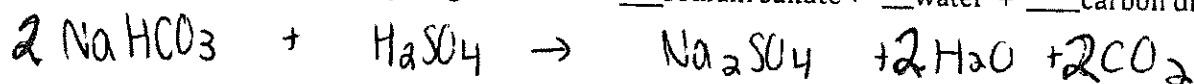
Answer key

Balance each of the chemical reactions.

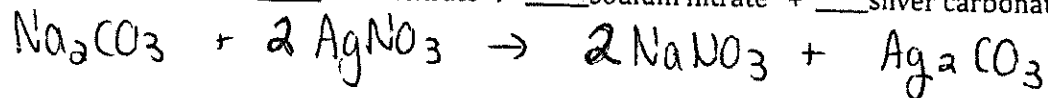
- $2 \text{NaNO}_3 + \text{PbO} \rightarrow \text{Pb}(\text{NO}_3)_2 + \text{Na}_2\text{O}$
- $4 \text{AgI} + \text{Fe}_2(\text{CO}_3)_3 \rightarrow 2 \text{FeI}_3 + 3 \text{Ag}_2\text{CO}_3$
- $\text{C}_2\text{H}_4\text{O}_2 + 2 \text{O}_2 \rightarrow 2 \text{CO}_2 + 2 \text{H}_2\text{O}$
- $\text{ZnSO}_4 + \text{Li}_2\text{CO}_3 \rightarrow \text{ZnCO}_3 + \text{Li}_2\text{SO}_4$
- $\text{V}_2\text{O}_5 + 5 \text{CaS} \rightarrow 5 \text{CaO} + \text{V}_2\text{S}_5$
- $\text{Mn}(\text{NO}_2)_2 + \text{BeCl}_2 \rightarrow \text{Be}(\text{NO}_2)_2 + \text{MnCl}_2$
- $3 \text{AgBr} + \text{GaPO}_4 \rightarrow \text{Ag}_3\text{PO}_4 + \text{GaBr}_3$
- $3 \text{H}_2\text{SO}_4 + 2 \text{B}(\text{OH})_3 \rightarrow \text{B}_2(\text{SO}_4)_3 + 6 \text{H}_2\text{O}$
- $\text{S}_8 + 8 \text{O}_2 \rightarrow 8 \text{SO}_2$
- $\text{Fe} + 2 \text{AgNO}_3 \rightarrow \text{Fe}(\text{NO}_3)_2 + 2 \text{Ag}$

First write the correct chemical formulas for each of the reactions, then balance them.

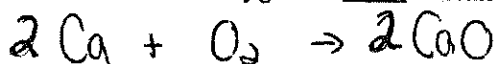
11. ___ sodium bicarbonate + ___ hydrogen sulfate \rightarrow ___ sodium sulfate + ___ water + ___ carbon dioxide



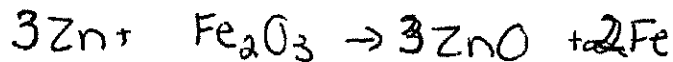
12. ___ Sodium carbonate + ___ silver nitrate \rightarrow ___ sodium nitrate + ___ silver carbonate



13. ___ Calcium + ___ oxygen \rightarrow ___ calcium oxide



14. ___ Zinc + ___ iron(III)oxide \rightarrow ___ zinc oxide + ___ iron



15. ___ Magnesium bromide + ___ chlorine \rightarrow ___ magnesium chloride + ___ bromine

