

Balancing Equations Practice Worksheet

Balance the following equations:

- 1) ____ NaNO_3 + ____ PbO $\rightarrow$ ____ $\text{Pb}(\text{NO}_3)_2$ + ____ Na_2O
- 2) ____ AgI + ____ $\text{Fe}_2(\text{CO}_3)_3$ $\rightarrow$ ____ FeI_3 + ____ Ag_2CO_3
- 3) ____ $\text{C}_2\text{H}_4\text{O}_2$ + ____ O_2 $\rightarrow$ ____ CO_2 + ____ H_2O
- 4) ____ ZnSO_4 + ____ Li_2CO_3 $\rightarrow$ ____ ZnCO_3 + ____ Li_2SO_4
- 5) ____ V_2O_5 + ____ CaS $\rightarrow$ ____ CaO + ____ V_2S_5
- 6) ____ $\text{Mn}(\text{NO}_2)_2$ + ____ BeCl_2 $\rightarrow$ ____ $\text{Be}(\text{NO}_2)_2$ + ____ MnCl_2
- 7) ____ AgBr + ____ GaPO_4 $\rightarrow$ ____ Ag_3PO_4 + ____ GaBr_3
- 8) ____ H_2SO_4 + ____ $\text{B}(\text{OH})_3$ $\rightarrow$ ____ $\text{B}_2(\text{SO}_4)_3$ + ____ H_2O
- 9) ____ S_8 + ____ O_2 $\rightarrow$ ____ SO_2
- 10) ____ Fe + ____ AgNO_3 $\rightarrow$ ____ $\text{Fe}(\text{NO}_3)_2$ + ____ Ag

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Solutions for the Balancing Equations Practice Worksheet

- 1) $2 \text{NaNO}_3 + \text{PbO} \rightarrow \text{Pb}(\text{NO}_3)_2 + \text{Na}_2\text{O}$
- 2) $6 \text{AgI} + \text{Fe}_2(\text{CO}_3)_3 \rightarrow 2 \text{FeI}_3 + 3 \text{Ag}_2\text{CO}_3$
- 3) $\text{C}_2\text{H}_4\text{O}_2 + 2 \text{O}_2 \rightarrow 2 \text{CO}_2 + 2 \text{H}_2\text{O}$
- 4) $\text{ZnSO}_4 + \text{Li}_2\text{CO}_3 \rightarrow \text{ZnCO}_3 + \text{Li}_2\text{SO}_4$
- 5) $\text{V}_2\text{O}_5 + 5 \text{CaS} \rightarrow 5 \text{CaO} + \text{V}_2\text{S}_5$
- 6) $\text{Mn}(\text{NO}_2)_2 + \text{BeCl}_2 \rightarrow \text{Be}(\text{NO}_2)_2 + \text{MnCl}_2$
- 7) $3 \text{AgBr} + \text{GaPO}_4 \rightarrow \text{Ag}_3\text{PO}_4 + \text{GaBr}_3$
- 8) $3 \text{H}_2\text{SO}_4 + 2 \text{B}(\text{OH})_3 \rightarrow \text{B}_2(\text{SO}_4)_3 + 6 \text{H}_2\text{O}$
- 9) $\text{S}_8 + 8 \text{O}_2 \rightarrow 8 \text{SO}_2$
- 10) $\text{Fe} + 2 \text{AgNO}_3 \rightarrow \text{Fe}(\text{NO}_3)_2 + 2 \text{Ag}$