

Balancing Equations Worksheet II

Count the number of atoms, then use coefficients to balance each equation.

- 1) $\underline{\hspace{1cm}} \text{AlBr}_3 + \underline{\hspace{1cm}} \text{K} \rightarrow \underline{\hspace{1cm}} \text{KBr} + \underline{\hspace{1cm}} \text{Al}$
- 2) $\underline{\hspace{1cm}} \text{FeO} + \underline{\hspace{1cm}} \text{PdF}_2 \rightarrow \underline{\hspace{1cm}} \text{FeF}_2 + \underline{\hspace{1cm}} \text{PdO}$
- 3) $\underline{\hspace{1cm}} \text{P}_4 + \underline{\hspace{1cm}} \text{Br}_2 \rightarrow \underline{\hspace{1cm}} \text{PBr}_3$
- 4) $\underline{\hspace{1cm}} \text{LiCl} + \underline{\hspace{1cm}} \text{Br}_2 \rightarrow \underline{\hspace{1cm}} \text{LiBr} + \underline{\hspace{1cm}} \text{Cl}_2$
- 5) $\underline{\hspace{1cm}} \text{PbBr}_2 + \underline{\hspace{1cm}} \text{HCl} \rightarrow \underline{\hspace{1cm}} \text{HBr} + \underline{\hspace{1cm}} \text{PbCl}_2$
- 6) $\underline{\hspace{1cm}} \text{CoBr}_3 + \underline{\hspace{1cm}} \text{CaSO}_4 \rightarrow \underline{\hspace{1cm}} \text{CaBr}_2 + \underline{\hspace{1cm}} \text{Co}_2(\text{SO}_4)_3$
- 7) $\underline{\hspace{1cm}} \text{Na}_3\text{P} + \underline{\hspace{1cm}} \text{CaF}_2 \rightarrow \underline{\hspace{1cm}} \text{NaF} + \underline{\hspace{1cm}} \text{Ca}_3\text{P}_2$
- 8) $\underline{\hspace{1cm}} \text{Mn} + \underline{\hspace{1cm}} \text{HI} \rightarrow \underline{\hspace{1cm}} \text{H}_2 + \underline{\hspace{1cm}} \text{MnI}_3$
- 9) $\underline{\hspace{1cm}} \text{Li}_3\text{PO}_4 + \underline{\hspace{1cm}} \text{NaBr} \rightarrow \underline{\hspace{1cm}} \text{Na}_3\text{PO}_4 + \underline{\hspace{1cm}} \text{LiBr}$
- 10) $\underline{\hspace{1cm}} \text{CaF}_2 + \underline{\hspace{1cm}} \text{Li}_2\text{SO}_4 \rightarrow \underline{\hspace{1cm}} \text{CaSO}_4 + \underline{\hspace{1cm}} \text{LiF}$
- 11) $\underline{\hspace{1cm}} \text{HBr} + \underline{\hspace{1cm}} \text{Mg}(\text{OH})_2 \rightarrow \underline{\hspace{1cm}} \text{MgBr}_2 + \underline{\hspace{1cm}} \text{H}_2\text{O}$
- 12) $\underline{\hspace{1cm}} \text{LiNO}_3 + \underline{\hspace{1cm}} \text{CaBr}_2 \rightarrow \underline{\hspace{1cm}} \text{Ca}(\text{NO}_3)_2 + \underline{\hspace{1cm}} \text{LiBr}$
- 13) $\underline{\hspace{1cm}} \text{AgNO}_3 + \underline{\hspace{1cm}} \text{Li} \rightarrow \underline{\hspace{1cm}} \text{LiNO}_3 + \underline{\hspace{1cm}} \text{Ag}$
- 14) $\underline{\hspace{1cm}} \text{Si}(\text{OH})_4 + \underline{\hspace{1cm}} \text{NaBr} \rightarrow \underline{\hspace{1cm}} \text{SiBr}_4 + \underline{\hspace{1cm}} \text{NaOH}$
- 15) $\underline{\hspace{1cm}} \text{NaCN} + \underline{\hspace{1cm}} \text{CuCO}_3 \rightarrow \underline{\hspace{1cm}} \text{Na}_2\text{CO}_3 + \underline{\hspace{1cm}} \text{Cu}(\text{CN})_2$

Challenge: $\underline{\hspace{1cm}} \text{C}_2\text{H}_6 + \underline{\hspace{1cm}} \text{O}_2 \rightarrow \underline{\hspace{1cm}} \text{CO}_2 + \underline{\hspace{1cm}} \text{H}_2\text{O}$

Section 9 Reactions And Equations Key

Anthony S. Fauci



Section 9 Reactions And Equations Key:

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