

Balancing chemical equations

Chemical equation (the first is done for you)	Reactant atoms	Product atoms
$\text{HCl(aq)} + \text{Mg(s)} \rightarrow \text{MgCl}_2\text{(aq)} + \text{H}_2\text{(g)}$	Cl = 1 Mg = 1 H = 1	Cl = 2 Mg = 1 H = 2
Balanced equation $2\text{HCl(aq)} + \text{Mg(s)} \rightarrow \text{MgCl}_2\text{(aq)} + \text{H}_2\text{(g)}$	Cl = 2 Mg = 1 H = 2	Cl = 2 Mg = 1 H = 2
$\text{Na}_2\text{CO}_3\text{(s)} + \text{HCl(aq)} \rightarrow \text{NaCl(aq)} + \text{CO}_2\text{(g)} + \text{H}_2\text{O(l)}$	Cl = Na = H = O = C =	Cl = Na = H = O = C =
Balanced equation	Cl = Na = H = O = C =	Cl = Na = H = O = C =
$\text{C}_3\text{H}_8\text{(g)} + \text{O}_2\text{(g)} \rightarrow \text{CO}_2\text{(g)} + \text{H}_2\text{O(l)}$	H = O = C =	H = O = C =
Balanced equation	H = O = C =	H = O = C =
$\text{C}_2\text{H}_6\text{(g)} + \text{O}_2\text{(g)} \rightarrow \text{CO}_2\text{(g)} + \text{H}_2\text{O(l)}$	H = O = C =	H = O = C =
Balanced equation	H = O = C =	H = O = C =
$\text{N}_2\text{(g)} + \text{H}_2\text{(g)} \rightarrow \text{NH}_3\text{(g)}$	N = H =	N = H =
Balanced equation	N = H =	N = H =
$\text{H}_2\text{SO}_4\text{(aq)} + \text{Al}_2\text{O}_3\text{(aq)} \rightarrow \text{Al}_2\text{(SO}_4\text{)}_3\text{(aq)} + \text{H}_2\text{O(l)}$	H = O = S = Al =	H = O = S = Al =
Balanced equation	H = O = S = Al =	H = O = S = Al =
$\text{Ag(s)} + \text{H}_2\text{S(g)} + \text{O}_2\text{(g)} \rightarrow \text{Ag}_2\text{S(s)} + \text{H}_2\text{O(l)}$	Ag = H = S = O =	Ag = H = S = O =
Balanced equation	Ag = H = S = O =	Ag = H = S = O =