

Now try your hand at balancing these equations:

11)	$\text{Al} + \text{S} >>>$	$\text{Al}_2\text{S}$	12)	$\text{Ag} + \text{I}_2 >>>$	$\text{AgI}$
13)	$\text{Zn} + \text{O}_2 >>>$	$\text{ZnO}$	14)	$\text{Pb} + \text{O}_2 >>>$	$\text{PbO}$
15)	$\text{Mg} + \text{Cl}_2 >>>$	$\text{MgCl}_2$	16)	$\text{Al} + \text{Br}_2 >>>$	$\text{AlBr}_2$
17)	$\text{Al} + \text{O}_2 >>>$	$\text{Al}_2\text{O}_3$	18)	$\text{Fe} + \text{F}_2 >>>$	$\text{Fe F}_2$
19)	$\text{P} + \text{O}_2 >>>$	$\text{P}_4\text{O}_{10}$	20)	$\text{Sn} + \text{O}_2 >>>$	$\text{SnO}$
21)	$\text{Bi} + \text{Cl}_2 >>>$	$\text{BiCl}_3$	22)	$\text{Sb} + \text{S} >>>$	$\text{Sb}_2\text{S}_3$
23)	$\text{H}_2 + \text{N}_2 >>>$	$\text{NH}_3$	24)	$\text{Ca} + \text{O}_2 >>>$	$\text{CaO}$
25)	$\text{Cu} + \text{O}_2 >>>$	$\text{Cu}_2\text{O}$	26)	$\text{Ba} + \text{O}_2 >>>$	$\text{BaO}$
27)	$\text{Sn} + \text{Cl}_2 >>>$	$\text{SnCl}_4$	28)	$\text{Mg} + \text{P} >>>$	$\text{Mg}_3\text{P}_2$
29)	$\text{Na} + \text{S} >>>$	$\text{Na}_2\text{S}$	30)	$\text{K} + \text{N}_2 >>>$	$\text{K}_3\text{N}$

These next are different because they have more than one product on the right hand side. The same rules still apply: there must be an equal number of each type of atom on both sides.

31)	$\text{Zn} +$	$\text{HCl} >>>$	$\text{ZnCl}_2 +$	$\text{H}_2$
32)	$\text{Al} +$	$\text{HCl} >>>$	$\text{AlCl}_3 +$	$\text{H}_2$
33)	$\text{Cl}_2 +$	$\text{Al}_2\text{I}_3 >>>$	$\text{AlCl}_3 +$	$\text{I}_2$
34)	$\text{Br}_2 +$	$\text{CuI} >>>$	$\text{CuBr} +$	$\text{I}_2$
35)	$\text{Na}_2\text{CO}_3 +$	$\text{CaCl}_2 >>>$	$\text{CaCO}_3 +$	$\text{NaCl}$
36)	$\text{Cu} +$	$\text{AgNO}_3 >>>$	$\text{Cu}(\text{NO}_3)_2 +$	$\text{Ag}$
37)	$\text{Mg}(\text{OH})_2 +$	$\text{H}_2\text{SO}_4 >>>$	$\text{Mg}_2\text{SO}_4 +$	$\text{H}_2\text{O}$
38)	$\text{NaOH} +$	$\text{CuSO}_4 >>>$	$\text{Na}_2\text{SO}_4 +$	$\text{Cu}(\text{OH})_2$
39)	$\text{NH}_4\text{OH} +$	$\text{FeCl}_3 >>>$	$\text{NH}_4\text{Cl} +$	$\text{Fe}(\text{OH})_3$
40)	$\text{Mg} +$	$\text{H}_3\text{PO}_4 >>>$	$\text{Mg}_3(\text{PO}_4)_2 +$	$\text{H}_2$