## Balancing chemical equations using mhchem

- 1.  $CH_4 + 2O_2 \longrightarrow CO_2 + 2H_2O$
- 2.  $2 H_2 + O_2 \longrightarrow 2 H_2 O$
- 3.  $4 \operatorname{Fe} + 3 \operatorname{O}_2 \longrightarrow 2 \operatorname{Fe}_2 \operatorname{O}_3$
- 4.  $C_2H_5OH + 3O_2 \longrightarrow 2CO_2 + 3H_2O$
- 5.  $N_2 + 3 H_2 \longrightarrow 2 NH_3$
- 6.  $P_4 + 5 O_2 \longrightarrow P_4 O_{10}$
- 7.  $C_3H_8 + 5O_2 \longrightarrow 3CO_2 + 4H_2O$
- 8.  $C_6H_{12}O_6 + 6O_2 \longrightarrow 6CO_2 + 6H_2O$
- 9.  $CaCO_3 \longrightarrow CaO + CO_2$
- 10.  $NaCl + AgNO_3 \longrightarrow NaNO_3 + AgCl$