

Balanceer volgende reactievergelijkingen.

- $\text{Al} + \text{HCl} \rightarrow \text{AlCl}_3 + \text{H}_2$
- $\text{C}_6\text{H}_6 + \text{O}_2 \rightarrow \text{CO}_2 + \text{H}_2\text{O}$
- $\text{ZnS} + \text{O}_2 \rightarrow \text{ZnO} + \text{SO}_2$
- $\text{Fe} + \text{O}_2 + \text{H}_2\text{O} \rightarrow \text{Fe}(\text{OH})_2$
- $\text{Al} + \text{Cr}_2\text{O}_3 \rightarrow \text{Al}_2\text{O}_3 + \text{Cr}$

Oplossing

- $2 \text{Al} + 6 \text{HCl} \rightarrow 2 \text{AlCl}_3 + 3 \text{H}_2$
- $\text{C}_6\text{H}_6 + 7,5 \text{O}_2 \rightarrow 6 \text{CO}_2 + 3 \text{H}_2\text{O}$
of
 $2 \text{C}_6\text{H}_6 + 15 \text{O}_2 \rightarrow 12 \text{CO}_2 + 6 \text{H}_2\text{O}$
- $2 \text{ZnS} + 3 \text{O}_2 \rightarrow 2 \text{ZnO} + 2 \text{SO}_2$
- $2 \text{Fe} + \text{O}_2 + 2 \text{H}_2\text{O} \rightarrow 2 \text{Fe}(\text{OH})_2$
- $2 \text{Al} + \text{Cr}_2\text{O}_3 \rightarrow \text{Al}_2\text{O}_3 + 2 \text{Cr}$