Metal oxides: Worksheet 4.1.2

Classifying reactions

Decide whether the substance shown in **bold** is oxidised or reduced in each of these reactions.

a. **magnesium** + iron oxide → magnesium oxide + iron

b. **lead oxide** + carbon → lead + carbon dioxide

c. carbon + **iron(III) oxide** → carbon dioxide + iron

d. **copper oxide** + hydrogen → copper + water

e. aluminium + **iron(III) oxide** → aluminium oxide + iron

f. **aluminium** + oxygen → aluminium oxide

g. carbon + **copper oxide** → copper + carbon dioxide

h. **nickel** + oxygen → nickel oxide

i. **calcium oxide** → calcium + oxygen

j. **sodium** + aluminium oxide → aluminium + sodium oxide