

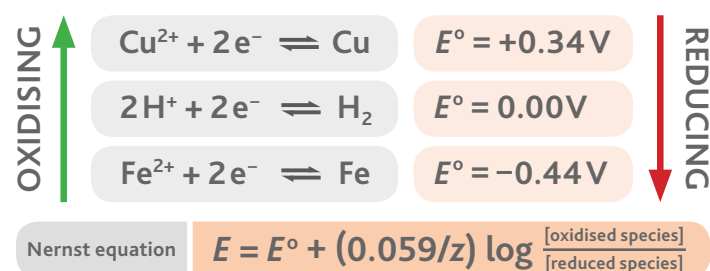


$$F = Le \quad -1.602 \times 10^{-19} \text{ C}$$

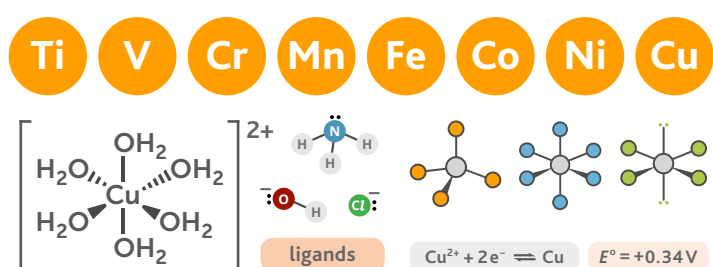
+ anode metal OR  $\text{H}_2$   
- cathode halogen OR  $\text{O}_2$

6.2

Electrolysis

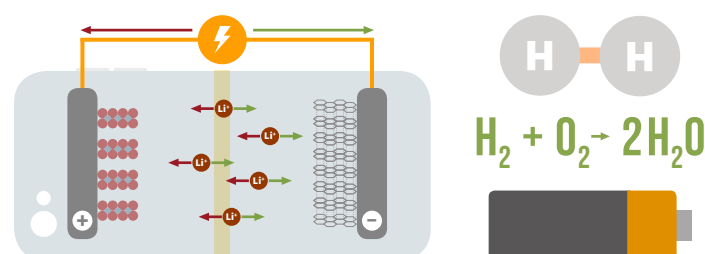


6.3

Standard electrode potential  $E^\circ$ ; standard cell potentials  $E^\circ_{\text{cell}}$  and the Nernst equation

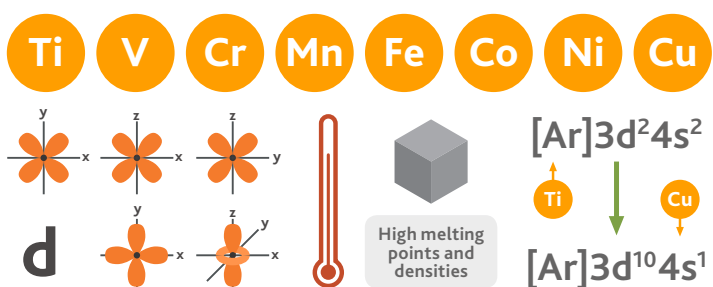
12.2

General characteristic chemical properties of the first set of transition elements, titanium to copper



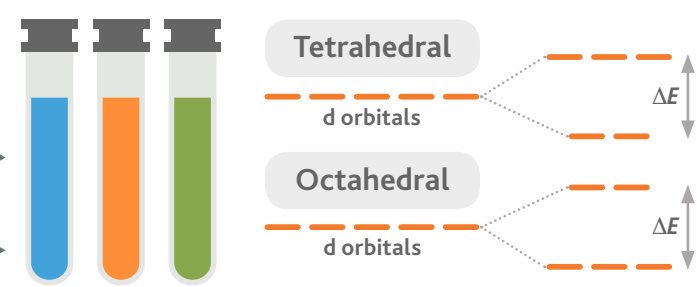
6.4

Batteries and fuel cells



12.1

General physical properties of the first set of transition elements, titanium to copper



12.3

Colour of complexes



ligand substitution reaction



$$K_{\text{stab}} = \frac{[\text{products}]}{[\text{reactants}]} = \frac{[\text{Cu}(\text{NH}_3)_4(\text{H}_2\text{O})_2]^{2+}}{[\text{Cu}(\text{H}_2\text{O})_6]^{2+} [\text{NH}_3]^4}$$

12.5

Stability constants,  $K_{\text{stab}}$ 