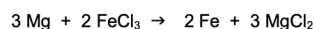


Oxidation and reduction in terms of electrons

Q1. (2018)

- 08.4 Explain which species is reduced in the reaction between magnesium and iron chloride.



Your answer should include the half equation for the reduction.

[3 marks]

Q2. (2022)

Sodium reacts with titanium chloride (TiCl_4) to produce titanium.

- 07.2 Complete the equation.

You should balance the equation.

[2 marks]



Q3. (2022)

- 07.3 The reaction between sodium and titanium chloride is a redox reaction.

Write a half-equation to show that sodium is oxidised in this reaction.

[2 marks]

Q4. (2023)

- 06.2 The reaction between magnesium and hydrochloric acid is a redox reaction.

Explain what happens to the magnesium atoms in this reaction.

[2 marks]

Q5. (2024)

- 07.1 Calcium reacts with chlorine to produce calcium chloride.

Explain what happens to calcium atoms and to chlorine atoms when calcium reacts with chlorine to produce calcium chloride.

[4 marks]