

2025 Ch H1 Q2

Section: Chemical Changes and Structure

Topic: Periodicity

Question summary

Which statement correctly describes elements that are strong reducing agents?

Worked solution

A reducing agent donates electrons and is therefore itself oxidised.

Such elements have low electronegativity values because they do not attract electrons strongly.

They are generally found towards the left-hand side of the periodic table, typically metals.

Therefore, the correct statement is that they have low electronegativity values.

Final answer

C. have low electronegativity values

Revision tips

- Oxidation = loss of electrons; Reduction = gain of electrons.
- Reducing agents are easily oxidised; oxidising agents are easily reduced.
- Metals, especially Group 1 and 2, are strong reducing agents; halogens are strong oxidising agents.