

Atoms, Elements and Compounds (KS3)

Section A – Recall (1–2 marks each)

Q1 (1 mark)
What is an atom?

Q2 (1 mark)
What is an element?

Q3 (1 mark)
What is a compound?

Q4 (1 mark)
What does a chemical symbol represent?

Q5 (2 marks)
State TWO features of Dalton's atomic model.

Q6 (2 marks)
State TWO examples of elements.

Section B – Understanding (3 marks each)

Q7 (3 marks)

Explain the difference between an atom and an element.

Q8 (3 marks)

Explain the difference between an element and a compound.

Q9 (3 marks)

Explain what a chemical formula shows.

Section C – Application (4 marks each)

Q10 (4 marks)

A student at *Learntit* writes the formula H_2O . Explain what this formula shows about water.

Q11 (4 marks)

Explain how conservation of mass applies during a chemical reaction.

Section D – Extended Response (6 marks)

Q12 (6 marks)

Explain the differences between atoms, elements and compounds, including examples and chemical symbols.

Total: ____ / 31

Percentage: ____%