

The Periodic Table (KS3)

Section A – Recall (1–2 marks each)

Q1 (1 mark)

What is an element?

Q2 (1 mark)

Who developed the early periodic table?

Q3 (1 mark)

What is a period in the periodic table?

Q4 (1 mark)

What is a group in the periodic table?

Q5 (2 marks)

State TWO properties of metals.

Q6 (2 marks)

State TWO properties of non-metals.

Q7 (2 marks)

State TWO differences between metals and non-metals.

Q8 (2 marks)

State TWO properties of Group 1 elements.

Q9 (2 marks)

State TWO properties of Group 7 elements.

Q10 (2 marks)

State TWO ways the periodic table is organised.

Section B – Understanding (2-3 marks each)

Q11 (3 marks)

Describe what information can be found in an element box on the periodic table.

Q12 (3 marks)

Explain the difference between periods and groups in the periodic table, as well as why elements are grouped how they are.

Q13 (3 marks)

Explain how the periodic table can be used to predict the properties of elements.

Q14 (3 marks)

Explain why metals are good conductors of electricity.

Q15 (3 marks)

Explain the difference between metal oxides and non-metal oxides.

Q16 (3 marks)

How did Mendeleev arrange the elements in his periodic table and why did he leave gaps?

Section C – Application (3–4 marks each)

Q17 (3 marks)

A student at *Learntit* compares magnesium and sulfur. Explain the differences in their physical properties.

Q18 (4 marks)

Sodium is placed in a beaker of water. Explain what happens and predict how potassium would react.

Q19 (3 marks)

Bromine is in Group 7. State whether it is a metal or non - metal, compare its reactivity to chlorine, and state one property of bromine.

Q20 (4 marks)

Explain why magnesium oxide is described as a basic oxide.

Q21 (4 marks)

Explain why carbon dioxide is described as an acidic oxide.

Section D – Extended Response (6 marks)

Q22 (6 marks)

Compare the properties of metals and non-metals. Include physical properties, conductivity, and the types of oxides they form.

Total: ____ / 58
Percentage: ____%