



The Periodic Table Questions

1. What is an element?

2. Lithium is an element whose name comes from the Greek word *lithios*, meaning 'stone'. The symbol for lithium is written using the first two letters of its name.

Write down the symbol for lithium.

3. Explain why scientists initially found it difficult to organise the elements.

4. Scientists continued to make discoveries about elements long after Mendeleev first produced his table. Explain how later discoveries provided evidence to support Mendeleev's organisation of the elements.

5. Describe two trends as you move from left to right across a **period**.

1.

2.

6. Explain why this organisation of the elements is known as the periodic table.



7. An element is a gas at room temperature. It has a low density and is a poor conductor of heat and electricity. The element reacts with virtually all other elements.

Give the name of the group that this element is most likely to be found in.

8. Compare the properties of metals and non-metals.

9. A shiny, grey solid can conduct electricity, is very brittle and has a low density. Explain where this element is likely to be found on the periodic table.

10. Compare the melting and boiling points of the elements found in Group 1, Group 7 and Group 0.
