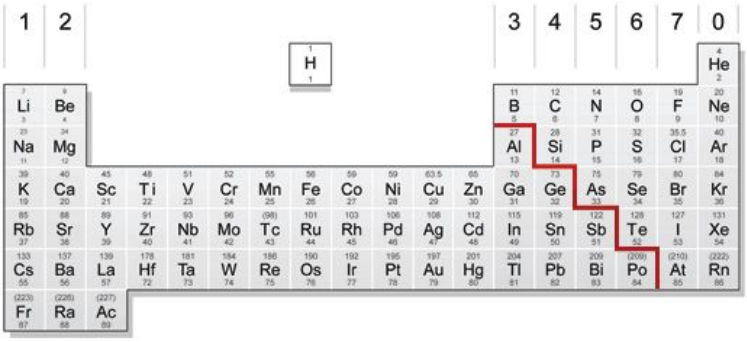
Cambridge IGCSE Chemistry

Topic 9: The Periodic Table

The Periodic Table

Notes

Describe the Periodic Table as a method of classifying elements and its use to predict properties of elements



- The Periodic Table can be used to classify elements and predict properties of elements by the way that they are arranged in the table...
    - Elements are arranged in order of atomic (proton) number (bottom number) and so that elements with similar properties are in columns, known as groups.
    - Elements in the same periodic group have the same amount of electrons in their outer shell, which gives them similar chemical properties.
- You can deduce the electronic configurations of elements from their positions in the Periodic Table
    - Group 1 has 1 electron in its outer shell, group 2 has 2 etc...
    - Period 1 has 1 shell, period 2 has 2 shells etc...