Lecture 3

Outline

- 3.1 Introduction to the Periodic Table
- 3.2 Structure of the electron shell
- 3.3 Ionisation energy and electron affinity

Development of the Periodic Table



Dimitrij Mendelejev (1834–1907)

The modern periodic table was developed by the Russian chemist Dimitrij Mendelejev and the German chemist Lothar Meyer.

Around 1869 Mendelejev recognised the periodicity of the elements. Although scientists previously classified the elements, Mendelejev succeeded in interpretating the principles in an adequate way.

Mendelejev orders the known elements according to their atomic mass.

..... Li Be B C N O F Na Mg Al Si P S Cl K Ca































