



















DMITRI MENDELEYEV [1834 - 1907]

The Russian chemist, Dmitri Mendeleyev, was the first to observe that if elements were listed in order of atomic mass, they showed regular (periodical) repeating properties. He formulated his discovery in a periodic table of elements, now regarded as the backbone of modern chemistry.

The crowning achievement of Mendelevey's periodic table lay in his prophecy of then, undiscovere elements. In 1869, the year he published his periodic classification, the elements gallium, germanium and scandium were unknown. Mendelevey left spaces for them in his table and even predicted their atomic masses and other chemical properties. Six years later, gallium was discovered and his predictions were found to be accurate. Other discoveries followed and their chemical behaviour matched that predicted by Mendeleyev.

This remarkable man, the youngest in a family of 17 children, has left the scientific community with a classification system so powerful that it became the cornerstone in chemistry teaching and the prediction of new elements ever since. in 1955, element 101 was named after him: Md, Mendelevium.



























Gas

Liquid

Natural solid

Man-made solid [synthetic]































Ba





















































































































































