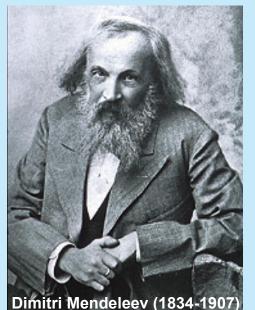
Can science become so exciting that one starts dreaming about it?

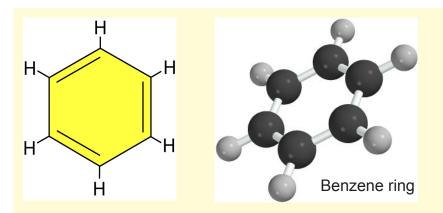


In 1869, Russian scientist **Dimitri Mendeleev** dreamed of the periodicity of the properties of chemical elements and of a periodic system that could be used to classify chemical elements before presenting his vision to the scientific community.

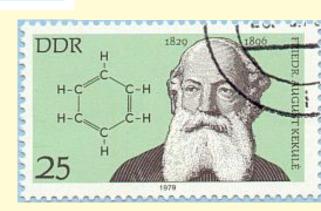
																VIII
IIA												VA	VA		VIIA	He
Be											В	С	Ν	0	F	Ne
Mg	IIIB	IVB	VB	VIB	VIIB	_	VIIIE	<u> </u>	IB	IIB	AI	Si	Ρ	S	CI	Ar
Ca	Sc	Ti	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Br	Kr
Sr	Y	Zr	Nb	Мо	Тс	Ru	Rh	Pd	Ag	Cd	In	Sn	Sb	Те	I	Хе
Ba	La*	Hf	Та	W	Re	Os	lr	Pt	Au	Hg	TI	Pb	Bi	Po	At	Rn
Ra	Ac	**														
	Be Mg Ca Sr Ba	Be Mg _{IIIB} Ca Sc Sr Y Ba La*	Be Mg _{IIIB} IVB CaScTi SrYZr	Be Mg _{IIIB} IVB VB Ca Sc Ti V Sr Y Zr Nb Ba La* Hf Ta	Be Mg _{IIIB IVB VB VIB} Ca Sc Ti V Cr Sr Y Zr Nb Mo Ba La* Hf Ta W	Be Mg _{IIIB IVB} VB VIB VIB Ca Sc Ti V Cr Mn Sr Y Zr NbMo Tc Ba La [*] Hf Ta W Re	Be Mg IIIB IVB VB VIB VIB Ca Sc Ti V Cr Mn Fe Sr Y Zr Nb Mo Tc Ru Ba La* Hf Ta W Re Os	Be Mg _{IIIB IVB} VB VIB VIB Ca Sc Ti V Cr Mn Fe Co Sr Y Zr Nb Mo Tc Ru Rh Ba La* Hf Ta W Re Os Ir	Be Mg IIIB IVB VB VIB VIIB VIIB Ca Sc Ti V Cr Mn Fe Co Ni Sr Y Zr Nb Mo Tc Ru Rh Pd Ba La* Hf Ta W Re Os Ir Pt	Be Mg IIIB IVB VB VIB VIIB VIIB IIB Ca Sc Ti V Cr Mn Fe Co Ni Cu Sr Y Zr Nb Mo Tc Ru Rh Pd Ag Ba La* Hf Ta W Re Os Ir Pt Au	Be Mg IIIB IVB VB VIB VIIB VIIB IIB Ca Sc Ti V Cr Mn Fe Co Ni Cu Zn Sr Y Zr Nb Mo Tc Ru Rh Pd Ag Cd Ba La* Hf Ta W Re Os Ir Pt Au Hg	Be B Mg IIIB IVB VB VIB VIB VIIIB IB IB AI Ca Sc Ti V Cr Mn Fe Co Ni Cu Zn Ga Sr Y Zr Nb Mo Tc Ru Rh Pd Ag Cd In Ba La* Hf Ta W Re Os Ir Pt Au Hg TI	Be B C Mg IIIB IVB VB VIIB IB IB IB AI Si Ca Sc Ti V Cr Mn Fe Co Ni Cu Zn Ga Ge Sr Y Zr Nb Mo Tc Ru Rh Pd Ag Cd In Sn Ba La* Hf Ta W Re Os Ir Pt Au Hg TI Pb	Be B C N Mg IIIB IVB VB VIB VIB IB IB IB IB AI Si P Ca Sc Ti V Cr Mn Fe Co Ni Cu Zn Ga Ge As Sr Y Zr Nb Mo Tc Ru Rh Pd Ag Cd In Sn Sb Ba La* Hf Ta W Re Os Ir Pt Au Hg TI Pb Bi	Be B C N O Mg IIIB IVB VIB IIB IB IB IB AI Si P S Ca Sc Ti V Cr Mn Fe Co Ni Cu Zn Ga Ge As Se Sr Y Zr Nb Mo Tc Ru Rh Pd Ag Cd In Sn Sb Te Ba La* Hf Ta W Re Os Ir Pt Au Hg Tl Pb Bi Po	BeBCNOFMgIIIB IVB VB VIB VIBVIIIBIBIBIBAISiPSCICa ScTiVCrMnFeCoNiCuZnGaGeAsSeBrSrYZrNbMoTcRuRhPdAgCdInSnSbTeIBaLa*HfTaWReOsIrPtAuHgTIPbBiPoAt

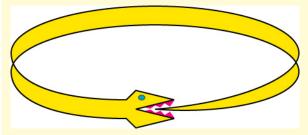


Friedrich Kekule von Stradonitz (1829-1896)









The 19th-century German chemist **Friedrich Kekule von Stradonitz** had studied carbon-carbon bonds and organic molecules for many years. Then, one day in 1865, von Stradonitz fell asleep. And it was there, in his dreams, that he saw a snake bite its tail. He later recalled that it was this dream that allowed him to explain the structure of benzene, C_6H_6 . The explanation laid the groundwork for organic chemistry and made von Stradonitz world famous.