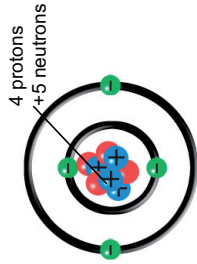
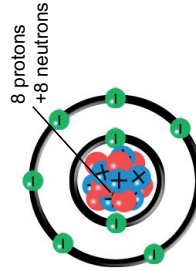


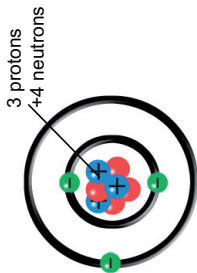
Atomic Models



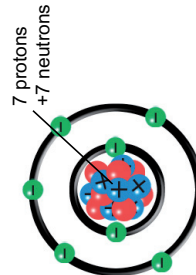
Beryllium



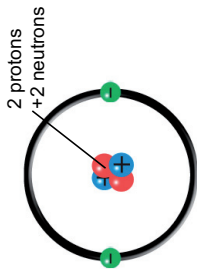
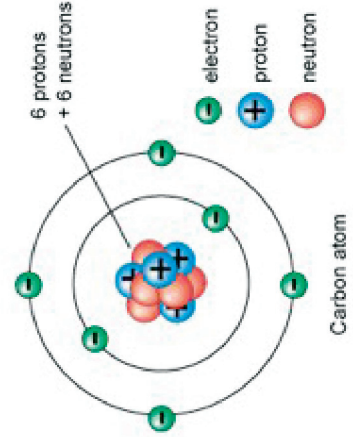
Oxygen



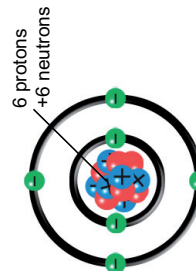
Lithium



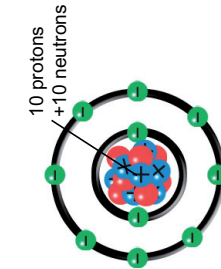
Nitrogen



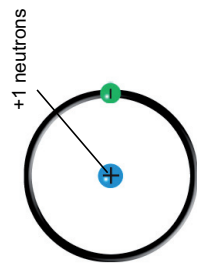
Helium



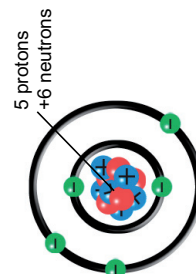
Carbon



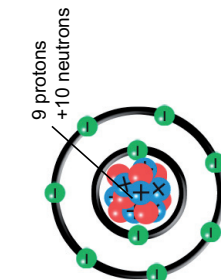
Neon



Hydrogen

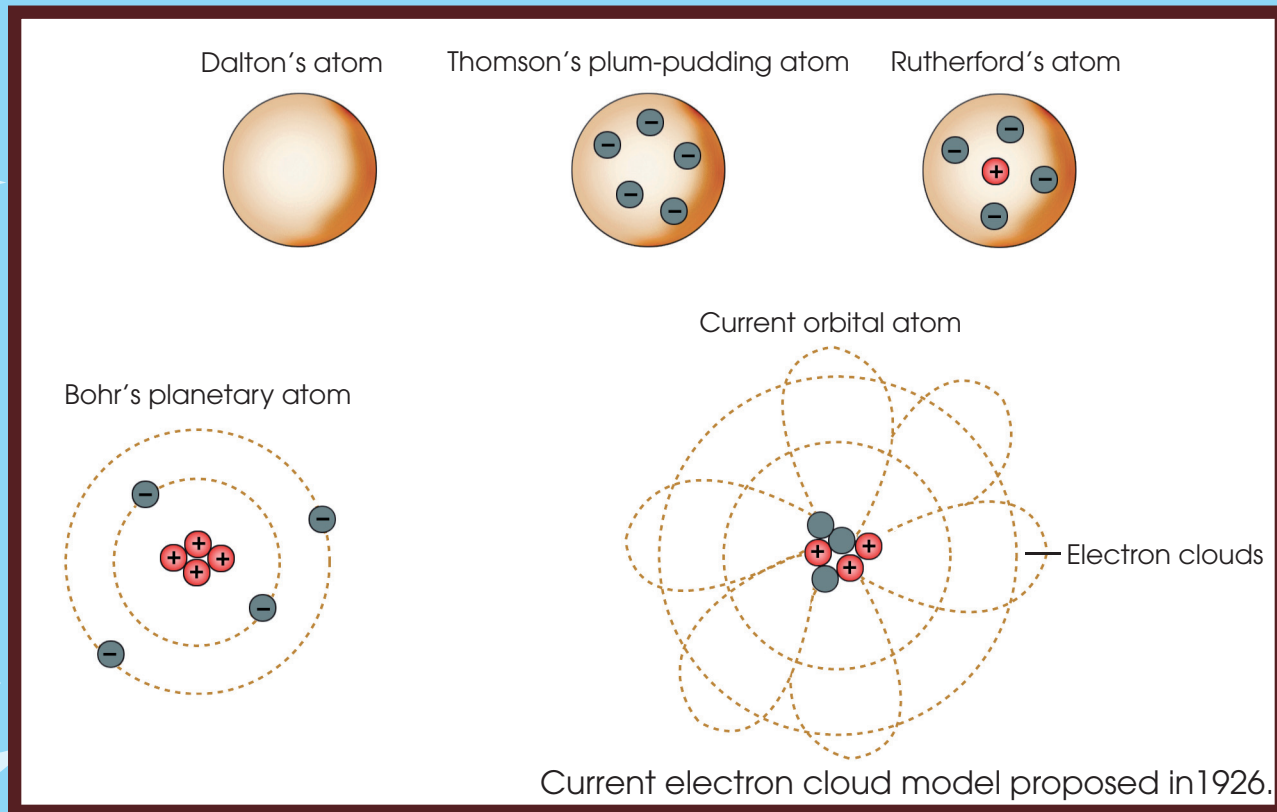


Boron



Fluorine

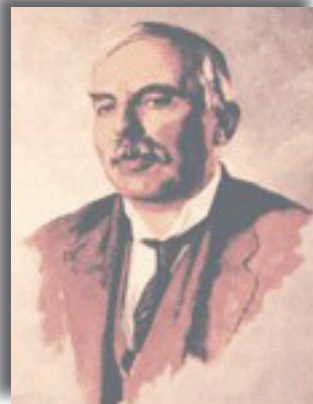
History of the Atomic Model



Dalton
1803



Thomson
1897



Rutherford
1909



Bohr
1913

Elements and Compounds



OXYGEN



SALT




BAKING SODA



SUGAR

Mendeleev's Periodic Table



Group	I	II	III	IV	V	VI	VII	VIII
Period								
1	H=1							
2	Li=7	Be=9.4	B=11	C=12	N=14	O=16	F=19	
3	Na=23	Mg=24	Al=27.3	Si=28	P=31	S=32	Cl=35.5	
4	K=39	Ca=40	?=44	Ti=48	V=51	Cr=52	Mn=55	Fe=56, Co=59 Ni=59
5	Cu=63	Zn=65	?=68	?=72	As=75	Se=78	Br=80	
6	Rb=85	Sr=87	?Yt=88	Zr=90	Nb=94	Mo=96	?=100	Ru=104, Rh=104 Pd=106
7	Ag=108	Cd=112	In=113	Sn=118	Sb=122	Te=125	J=127	
8	Cs=133	Ba=137	?Di=138	?Ce=140				
9								
10			?Er=178	?La=180	Ta=182	W=184		O=195, Ir=197 Pt=198
11	Au=199	Hg=200	Tl=204	Pb=207	Bi=208			
12				Th=231		U=240		

Mendeleev's Periodic Table

Mendeleev

The Periodic Table

(Showing the Elements)

Periodic System of the Elements

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18																																																																		
IA	IIA	IIIB	IVB	VB	VIB	VII B	VIII	VIII	VIII	IB	IIB	IIIA	IVA	VA	VIA	VIIA	VIIIA																																																																		
1 1 1.008 H	2 4 9.012 Be	3 23 11 Na	4 40 20 Ca	5 51 25 Mn	6 52 24 Cr	7 55 26 Fe	8 59 29 Cu	9 59 29 Ni	10 59 29 Ni	11 63 29 Cu	12 65 30 Zn	13 70 31 Ga	14 12 6 C	15 14 7 N	16 16 8 O	17 19 9 F	18 20 10 Ne																																																																		
19 39 19 K	20 40 20 Ca	21 45 21 Sc	22 48 22 Ti	23 51 23 V	24 52 24 Cr	26 56 26 Fe	27 59 27 Co	28 59 28 Ni	29 64 29 Cu	30 65 30 Zn	31 70 31 Ga	32 73 32 Ge	33 75 33 As	34 79 34 Se	35 79 35 Br	36 80 36 Kr	37 85 37 Rb	38 88 38 Sr	39 88 39 Y	40 91 40 Zr	41 93 41 Nb	42 93 42 Mo	43 98 43 Tc	44 101 44 Ru	45 101 45 Rh	46 106 46 Pd	47 108 47 Ag	48 112 48 Cd	49 113 49 In	50 112 50 Sn	51 119 51 Sb	52 128 52 Te	53 127 53 I	54 131 54 Xe	55 137 55 Cs	56 137 56 Ba	57 139 57 La	58 140 58 Ce	59 140 59 Pr	60 141 60 Nd	61 145 61 Pm	62 150 62 Sm	63 152 63 Eu	64 157 64 Gd	65 163 65 Tb	66 163 66 Dy	67 165 67 Ho	68 167 68 Er	69 169 69 Tm	70 173 70 Yb	71 175 71 Lu	72 177 72 Hf	73 178 73 Ta	74 181 74 W	75 187 75 Re	76 187 76 Os	77 188 77 Ir	78 193 78 Pt	79 197 79 Au	80 201 80 Hg	81 204 81 Tl	82 207 82 Pb	83 209 83 Bi	84 210 84 Po	85 211 85 At	86 222 86 Rn	87 227 87 Fr	88 226 88 Ra	89 227 89 Ac	90 232 90 Th	91 231 91 Pa	92 238 92 U	93 237 93 Np	94 244 94 Pu	95 247 95 Am	96 256 96 Cm	97 261 97 Bk	98 269 98 Cf	99 270 99 Es	100 270 100 Fm	101 271 101 Md	102 271 102 No	103 271 103 Lr