

12.5: Appendix 1- Periodic Tables

Interactive Periodic Table (Wikipedia)

ОПЫТЪ СИСТЕМЫ ЭЛЕМЕНТОВЪ.		
ОСНОВАННОЙ НА ИХЪ АТОМНОМЪ ВѢСѢ И ХИМИЧЕСКОМЪ СХОДСТВѢ.		
	Ti = 50	Zr = 90 ? = 180.
	V = 51	Nb = 94 Ta = 182.
	Cr = 52	Mo = 96 W = 186.
	Mn = 55	Rh = 104,4 Pt = 197,4.
	Fe = 56	Ru = 104,4 Ir = 198.
	Ni = 59	Pd = 106,8 Os = 199.
	Cu = 63,4	Ag = 108 Hg = 200.
H = 1	Be = 9,4 Mg = 24	Zn = 65,2 Cd = 112
	B = 11	Al = 27,4 ? = 68
	C = 12	Si = 28 ? = 70
	N = 14	P = 31 As = 75
	O = 16	S = 32 Se = 79,4 Te = 128?
	F = 19	Cl = 35,5 Br = 80 I = 127
Li = 7	Na = 23	K = 39 Rb = 85,4 Cs = 133 Tl = 204.
		Ca = 40 Sr = 87,6 Ba = 137 Pb = 207.
		? = 45 Ce = 92
		?Er = 56 La = 94
		?Yt = 60 Di = 95
		?In = 75,6 Th = 118?
Д. Менделѣевъ		

Mendeleev's periodic table (1869)

		Group																												
		I	II											III	IV	V	VI	VII	VIII											
Period	1	1 H																								2 He				
	2	3 Li	4 Be											5 B	6 C	7 N	8 O	9 F	10 Ne											
	3	11 Na	12 Mg											13 Al	14 Si	15 P	16 S	17 Cl	18 Ar											
	4	19 K	20 Ca	21 Sc	22 Ti	23 V	24 Cr	25 Mn	26 Fe	27 Co	28 Ni	29 Cu	30 Zn	31 Ga	32 Ge	33 As	34 Se	35 Br	36 Kr											
	5	37 Rb	38 Sr	39 Y	40 Zr	41 Nb	42 Mo	43 Tc	44 Ru	45 Rh	46 Pd	47 Ag	48 Cd	49 In	50 Sn	51 Sb	52 Te	53 I	54 Xe											
	6	55 Cs	56 Ba	*	72 Hf	73 Ta	74 W	75 Re	76 Os	77 Ir	78 Pt	79 Au	80 Hg	81 Tl	82 Pb	83 Bi	84 Po	85 At	86 Rn											
	7	87 Fr	88 Ra	**	104 Rf	105 Db	106 Sg	107 Bh	108 Hs	109 Mt	110 Ds	111 Rg	112 Cn	113 Nh	114 Fl	115 Mc	116 Lv	117 Ts	118 Og											
	8	119 Uun																												
		* Lanthanides		57 La	58 Ce	59 Pr	60 Nd	61 Pm	62 Sm	63 Eu	64 Gd	65 Tb	66 Dy	67 Ho	68 Er	69 Tm	70 Yb	71 Lu												
		** Actinides		89 Ac	90 Th	91 Pa	92 U	93 Np	94 Pu	95 Am	96 Cm	97 Bk	98 Cf	99 Es	100 Fm	101 Md	102 No	103 Lr												
<table><tr><td>Alkali metals</td><td>Alkaline earth metals</td><td>Lanthanides</td><td>Actinides</td><td>Transition metals</td></tr><tr><td>Poor metals</td><td>Metalloids</td><td>Nonmetals</td><td>Halogens</td><td>Noble gases</td></tr></table>																					Alkali metals	Alkaline earth metals	Lanthanides	Actinides	Transition metals	Poor metals	Metalloids	Nonmetals	Halogens	Noble gases
Alkali metals	Alkaline earth metals	Lanthanides	Actinides	Transition metals																										
Poor metals	Metalloids	Nonmetals	Halogens	Noble gases																										
State at standard temperature and pressure																														
Atomic number in red: gas																														
Atomic number in blue: liquid																														
Atomic number in black: solid																														
solid border: at least one isotope is older than the Earth (Primordial elements)																														
dashed border: at least one isotope naturally arise from decay of other chemical elements and no isotopes are older than the earth																														
dotted border: only artificially made isotopes (synthetic elements)																														
no border: undiscovered																														

18-column periodic table

		Group																															
		1	2											3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18				
Period	1	1 H																												2 He			
	2	3 Li	4 Be																							5 B	6 C	7 N	8 O	9 F	10 Ne		
	3	11 Na	12 Mg																							13 Al	14 Si	15 P	16 S	17 Cl	18 Ar		
	4	19 K	20 Ca											21 Sc	22 Ti	23 V	24 Cr	25 Mn	26 Fe	27 Co	28 Ni	29 Cu	30 Zn	31 Ga	32 Ge	33 As	34 Se	35 Br	36 Kr				
	5	37 Rb	38 Sr											39 Y	40 Zr	41 Nb	42 Mo	43 Tc	44 Ru	45 Rh	46 Pd	47 Ag	48 Cd	49 In	50 Sn	51 Sb	52 Te	53 I	54 Xe				
	6	55 Cs	56 Ba	57 La	58 Ce	59 Pr	60 Nd	61 Pm	62 Sm	63 Eu	64 Gd	65 Tb	66 Dy	67 Ho	68 Er	69 Tm	70 Yb	71 Lu	72 Hf	73 Ta	74 W	75 Re	76 Os	77 Ir	78 Pt	79 Au	80 Hg	81 Tl	82 Pb	83 Bi	84 Po	85 At	86 Rn
	7	87 Fr	88 Ra	89 Ac	90 Th	91 Pa	92 U	93 Np	94 Pu	95 Am	96 Cm	97 Bk	98 Cf	99 Es	100 Fm	101 Md	102 No	103 Lr	104 Rf	105 Db	106 Sg	107 Bh	108 Hs	109 Mt	110 Ds	111 Rg	112 Cn	113 Nh	114 Fl	115 Mc	116 Lv	117 Ts	118 Og

A 32-column periodic table with Sc, Y, Lu and Lr in group 3

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