

		I	II		III		IV		V		VI		VII		VIII			
1	1	H											H	He				
													1,0079	4,0026				He
2	2	Li	Be	B	C	N	O	F	Ne									4,0026
		6,941	9,012	10,81	12,011	14,0067	15,999	18,998	20,179									
3	3	Na	Mg	Al	Si	P	S	Cl	Ar									
		22,99	24,305	26,981	28,086	30,973	32,06	35,453	39,948									
4	4	K	Ca	Sc	Ti	V	Cr	Mn										
		39,098	40,08	44,956	47,9	50,941	51,996	54,938										
	5		Cu	Zn	Ga	Ge	As	Se	Br	Kr								
		63,546	65,38	69,72	72,59	74,921	78,96	79,904	83,8									
5	6	Rb	Sr	Y	Zr	Nb	Mo	Tc										
		85,468	87,62	88,906	91,22	92,906	95,94	98,906										
	7		Ag	Cd	In	Sn	Sb	Te	I	Xe								
		107,868	112,4	114,82	118,69	121,75	127,6	126,904	131,3									
6	8	Cs	Ba	La	Hf	Ta	W	Re										
		132,905	137,34	138,905	178,49	180,948	183,85	186,207										
	9		Au	Hg	Tl	Pb	Bi	Po	At	Rn								
		196,967	200,59	204,37	207,2	208,98	[209]	[210]	[222]									
7	10	Fr	Ra	Ac	Ku	Ns												
		[223]	226,025	[227]	[261]	[262]												
		R <sub>2</sub> O	RO	R <sub>2</sub> O <sub>3</sub>	RO <sub>2</sub>	R <sub>2</sub> O <sub>3</sub>	RO <sub>3</sub>	R <sub>2</sub> O <sub>4</sub>										
					RH <sub>4</sub>	RH <sub>3</sub>	H <sub>2</sub> R	HR										

	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
	140,12	140,908	144,24	[145]	150,4	151,96	157,25	158,925	162,5	164,93	167,26	168,93	173,04	174,97														

	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)
	232,038	[231]	238,029	[237]	[244]	[243]	[247]	[247]	[251]	[254]	[257]	[258]	[259]	[262]														

ПЕРИОДИЧЕСКАЯ СИСТЕМА ХИМИЧЕСКИХ ЭЛЕМЕНТОВ Д. И. МЕНДЕЛЕЕВА

		I																		II																		III																		IV																		V																		VI																		VII																		VIII																																																																																																																																																																																																																																																																													
1	1	H																																																																																																												He																		2																																																																																																																																																																																																																																																																													
2	2	Li																		3																		Be																		4																		B																		5																		C																		6																		N																		7																		O																		8																		F																		9																		Ne																		10																		He																		4,0026																																																																																									
3	3	Na																		11																		Mg																		12																		Al																		13																		Si																		14																		P																		15																		S																		16																		Cl																		17																		Ar																		18																		s-																		p-																		d-																		f-																		g-																																			
4	4	K																		19																		Ca																		20																		Sc																		21																		Ti																		22																		V																		23																		Cr																		24																		Mn																		25																		Fe																		26																		Co																		27																		Ni																		28																																																					
	5	29																		30																		Cu																		31																		Zn																		32																		Ga																		33																		Ge																		34																		As																		35																		Se																		36																		Br																		37																		Kr																		38																																																																																									
5	6	Rb																		37																		Sr																		38																		Y																		39																		Zr																		40																		Nb																		41																		Mo																		42																		Tc																		43																		Ru																		44																		Rh																		45																		Pd																		46																																																					
	7	47																		107,868																		Ag																		48																		Cd																		49																		In																		50																		Sn																		51																		Sb																		52																		Te																		53																		Xe																		54																																																																																																																													
6	8	Cs																		55																		Ba																		56																		La																		57																		Hf																		58																		Ta																		59																		W																		60																		Re																		61																		Os																		62																		Ir																		63																		Pt																		64																																																					
	9	79																		196,967																		Au																		80																		Hg																		81																		Tl																		82																		Pb																		83																		Bi																		84																		Po																		85																		At																		86																		Rn																		87																																																																																									
7	10	Fr																		87																		Ra																		88																		Ac																		89																		Rf																		90																		Db																		91																		Sg																		92																		Bh																		93																		Hs																		94																		Mt																		95																		Ds																		96																																																					
		R <sub>2</sub> O																		RO																		R <sub>2</sub> O <sub>3</sub>																		RO <sub>2</sub>																		R <sub>2</sub> O <sub>5</sub>																		RO <sub>3</sub>																		R <sub>2</sub> O <sub>7</sub>																		RO <sub>4</sub>																																																																																																																																																																																																																																																																													
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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
140,12	140,908	144,24	[145]	150,4	151,96	157,25	158,925	162,5	164,93	167,26	168,93	173,04	174,97														

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)
232,038	[231]	238,029	[237]	[244]	[243]	[247]	[247]	[251]	[254]	[257]	[258]	[259]	[262]														

121	Ubu	122	Ubb	123	Ubt	124	Ubu	125	Ubp	126	Ubh
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PERIODIC TABLE OF THE CHEMICAL ELEMENTS

Period		G R O U P S																			
		I	II	III	IV	V	VI	VII	VIII												
1	1	H																He			
2	2	Li		Be		B		C		N		O		F		Ne					
3	3	Na		Mg		Al		Si		P		S		Cl		Ar					
4	4	K		Ca		Sc		Ti		V		Cr		Mn		Fe		Co		Ni	
	5	Rb		Sr		Y		Zr		Nb		Mo		Tc		Ru		Rh		Pd	
	6	Cs		Ba		La		Hf		Ta		W		Re		Os		Ir		Pt	
	7	Fr		Ra		Ac		Rf		Db		Sg		Bh		Hs		Mt		Ds	
		R <sub>2</sub> O		RO		R <sub>2</sub> O <sub>3</sub>		RO <sub>2</sub>		R <sub>2</sub> O <sub>5</sub>		RO <sub>3</sub>		R <sub>2</sub> O <sub>7</sub>		RO <sub>4</sub>					
		RH <sub>4</sub>		RH <sub>3</sub>		H <sub>2</sub> R		HR													

Lanthanoids	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
	140.12	Cerium	140.908	Praseodymium	144.24	Neodymium	145	Promethium	150.4	Samarium	151.96	Europium	157.25	Gadolinium	158.925	Terbium	162.5	Dysprosium	164.93	Holmium	167.26	Erbium	168.93	Thulium	173.04	Ytterbium	174.97	Lutetium
Actinoids	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)
	232.038	Thorium	[231]	Protactinium	238.029	Uranium	[237]	Neptunium	[244]	Plutonium	[243]	Americium	[247]	Curium	[247]	Berkelium	[251]	Californium	[254]	Einsteinium	[257]	Fermium	[258]	Mendelevium	[259]	Nobelium	[262]	Lawrencium
Superactinoids	121	Ubu	122	Ubb	123	Ubt	124	Ubu	125	Ubp	126	Ubh																



Subshell	S	G	F	D	P
Period					
1	1s				
2	2s				2p
3	3s				3p
4	4s			3d	4p
5	5s			4d	5p
6	6s		4f	5d	6p
7	7s		5f	6d	7p
8	8s	5g	6f	7d	8p

Subshell	S	P	D	F	G
Period					
1	1s				
2	2s	2p			
3	3s	3p			
4	4s	4p	3d		
5	5s	5p	4d		
6	6s	6p	5d	4f	
7	7s	7p	6d	5f	
8	8s	8p	7d	6f	5g

Оболочка	S	G	F	D	P
Период					
1	1s				
2	2s				2p
3	3s				3p
4	4s			3d	4p
5	5s			4d	5p
6	6s		4f	5d	6p
7	7s		5f	6d	7p
8	8s	5g	6f	7d	8p

Оболочка	S	P	D	F	G
Период					
1	1s				
2	2s	2p			
3	3s	3p			
4	4s	4p	3d		
5	5s	5p	4d		
6	6s	6p	5d	4f	
7	7s	7p	6d	5f	
8	8s	8p	7d	6f	5g