

# AZ ELEMEK PERIÓDUSOS RENDSZERE

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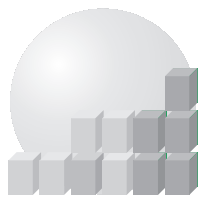
PERIÓDUS	CSOPORT		CSOPORT IUPAC RECOMMENDATION (1985)										CSOPORT CHEMICAL ABSTRACT SERVICE (1986)						CSOPORT																			
	1	IA	2	IIA	3	IIIB	4	IVB	5	VB	6	VIB	7	VIIB	8	9	VIIIB	10	11	IB	12	IIB	13	IIIA	14	IVA	15	VA	16	VIA	17	VIIA	18	VIIIA				
1	1	1.0079																															2	4.0026				
	<b>H</b>	HIDROGÉN																															<b>He</b>	HÉLIUM				
2	3	6.941	4	9.0122																																		
	<b>Li</b>	LÍTIUM	<b>Be</b>	BERILLIUM																																		
3	11	22.990	12	24.305																																		
	<b>Na</b>	NÁTRIUM	<b>Mg</b>	MAGNÉZIUM																																		
4	19	39.098	20	40.078	21	44.956	22	47.867	23	50.942	24	51.996	25	54.938	26	55.845	27	58.933	28	58.693	29	63.546	30	65.38	31	69.723	32	72.64	33	74.922	34	78.96	35	79.904	36	83.798		
	<b>K</b>	KÁLIUM	<b>Ca</b>	KALCIUM	<b>Sc</b>	SZKANDIUM	<b>Ti</b>	TITÁN	<b>V</b>	VANÁDIUM	<b>Cr</b>	KRÓM	<b>Mn</b>	MANGÁN	<b>Fe</b>	VAS	<b>Co</b>	KOBALT	<b>Ni</b>	NIKKEL	<b>Cu</b>	RÉZ	<b>Zn</b>	CINK	<b>Ga</b>	GALLIUM	<b>Ge</b>	GERMÁNIUM	<b>As</b>	ARZÉN	<b>Se</b>	SZELÉN	<b>Br</b>	BRÓM	<b>Kr</b>	KRIPTON		
5	37	85.468	38	87.62	39	88.906	40	91.224	41	92.906	42	95.96	43	(98)	44	101.07	45	102.91	46	106.42	47	107.87	48	112.41	49	114.82	50	118.71	51	121.76	52	127.60	53	126.90	54	131.29		
	<b>Rb</b>	RUBÍDIUM	<b>Sr</b>	STRONCIUM	<b>Y</b>	ITTRIUM	<b>Zr</b>	CIRKÓNIUM	<b>Nb</b>	NIÓBIUM	<b>Mo</b>	MOLIBDÉN	<b>Tc</b>	TECHNÉCIUM	<b>Ru</b>	RUTÉNIUM	<b>Rh</b>	RÓDIUM	<b>Pd</b>	PALLÁDIUM	<b>Ag</b>	EZÜST	<b>Cd</b>	KADMIUM	<b>In</b>	INDIUM	<b>Sn</b>	ÓN	<b>Sb</b>	ANTIMON	<b>Te</b>	TELLÚR	<b>I</b>	JÓD	<b>Xe</b>	XENON		
6	55	132.91	56	137.33	57-71	La-Lu	58	178.49	59	180.95	60	183.84	61	186.21	62	190.23	63	192.22	64	195.08	65	196.97	66	200.59	67	204.38	68	207.2	69	208.98	70	(209)	71	(210)	72	(211)	73	(212)
	<b>Cs</b>	CÉZIUM	<b>Ba</b>	BÁRIUM	Lantanoidák			<b>Hf</b>	HAFNIUM	<b>Ta</b>	TANTÁL	<b>W</b>	VOLFRÁM	<b>Re</b>	RÉNIUM	<b>Os</b>	OZMIUM	<b>Ir</b>	IRÍDIUM	<b>Pt</b>	PLATINA	<b>Au</b>	ARANY	<b>Hg</b>	HIGANY	<b>Tl</b>	TALLIUM	<b>Pb</b>	ÓLOM	<b>Bi</b>	BIZMUT	<b>Po</b>	POLÓNIUM	<b>At</b>	ASZTÁCIUM	<b>Rn</b>	RADON	
7	87	(223)	88	(226)	89-103	Ac-Lr	90	(267)	91	(268)	92	(271)	93	(272)	94	(277)	95	(276)	96	(281)	97	(280)	98	(285)	99	(287)	100	(287)	101	(288)	102	(291)	103	(291)	104	(294)	105	(294)
	<b>Fr</b>	FRANCIUM	<b>Ra</b>	RÁDIUM	Aktinoidák			<b>Rf</b>	RUTHERFORDIUM	<b>Db</b>	DÜBNIUM	<b>Sg</b>	SEABORGIUM	<b>Bh</b>	BÓRIUM	<b>Hs</b>	HASSIUM	<b>Mt</b>	MEITNERIUM	<b>Ds</b>	DARMSTADTIUM	<b>Rg</b>	RÖNTGENIUM	<b>Cn</b>	KOPERNICIUM	<b>Uut</b>	UNUNTRIUM	<b>Fl</b>	FLEROVIUM	<b>Uup</b>	UNUNPENTIUM	<b>Lv</b>	LIVERMORIUM	<b>Uus</b>	UNUNSZEPTIUM	<b>Uuo</b>	UNUNOKTIUM	

## LANTANOIDÁK

57	138.91	58	140.12	59	140.91	60	144.24	61	(145)	62	150.36	63	151.96	64	157.25	65	158.93	66	162.50	67	164.93	68	167.26	69	168.93	70	173.05	71	174.97
<b>La</b>	LANTÁN	<b>Ce</b>	CÉRIUM	<b>Pr</b>	PRAEZODÍMIUM	<b>Nd</b>	NEODÍMIUM	<b>Pm</b>	PROMÉTIUM	<b>Sm</b>	SZAMÁRIUM	<b>Eu</b>	EURÓPIUM	<b>Gd</b>	GADOLÍNIUM	<b>Tb</b>	TERBIUM	<b>Dy</b>	DISZPRÓZIUM	<b>Ho</b>	HOLMIUM	<b>Er</b>	ERBIUM	<b>Tm</b>	TÜLIUM	<b>Yb</b>	ITTERBIUM	<b>Lu</b>	LUTÉCIUM

## AKTINOIDÁK

89	(227)	90	232.04	91	231.04	92	238.03	93	(237)	94	(244)	95	(243)	96	(247)	97	(247)	98	(251)	99	(252)	100	(257)	101	(258)	102	(259)	103	(262)
<b>Ac</b>	AKTINIUM	<b>Th</b>	TÓRIUM	<b>Pa</b>	PROTAKTINIUM	<b>U</b>	URÁN	<b>Np</b>	NEPTUNIUM	<b>Pu</b>	PLUTONIUM	<b>Am</b>	AMERICIUM	<b>Cm</b>	KURIUM	<b>Bk</b>	BERKÉLIUM	<b>Cf</b>	KALIFORNIUM	<b>Es</b>	EINSTEINIUM	<b>Fm</b>	FERMIUM	<b>Md</b>	MENDELÉVIUM	<b>No</b>	NOBÉLIUM	<b>Lr</b>	LAURENCIUM



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(1) Atomic Weights of the Elements 2007, Pure Appl. Chem., 81, No. 11, 2131-2156 (2009)