

PERIODICKÁ SOUSTAVA PRVKŮ

PRO STŘEDNÍ ŠKOLY

valenční elektrony	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
skupina	I. A	II. A	III. B	IV. B	V. B	VI. B	VII. B	VIII. B	I. B	II. B	III. A	IV. A	V. A	VI. A	VII. A	VIII. A			
1	1 H Hydrogenium 1,008	2 He Helium 4,00																	
2	3 Li Lithium 6,94	4 Be Beryllium 9,01																	
3	11 Na SODÍK Natrium 22,99	12 Mg HOŘČÍK Magnesium 24,31																	
4	19 K DRASLÍK Kalium 39,10	20 Ca VÁPŇÍK Calcium 40,08	21 Sc SKANDIUM Scandium 44,96	22 Ti TITAN Titanium 47,88	23 V VANAD Vanadium 50,94	24 Cr CHROM Chromium 52,00	25 Mn MANGAN Manganese 54,94	26 Fe ZELEZO Ferrum 55,85	27 Co KOBALT Cobaltum 58,93	28 Ni NIKEL Niccolum 58,70	29 Cu MĚĎ Cuprum 63,54	30 Zn ZINEK Zincum 65,38	31 Ga GALLIUM Gallium 69,72	32 Ge GERMANIUM Germanium 72,59	33 As ARZEN Arsenicum 74,92	34 Se SELENIUM Selenium 78,96	35 Br BROM Bromum 79,90	36 Kr KRYPTON Krypton 83,80	
5	37 Rb RUBIDIUM Rubidium 85,47	38 Sr STRONCIUM Strontium 87,62	39 Y YTTRIUM Yttrium 88,91	40 Zr ZIRKONIUM Zirconium 91,22	41 Nb NIÓB Niobium 92,91	42 Mo MOLYBDEN Molybdaenum 95,94	43 Tc TECHNECIUM Technetium (97)	44 Ru RUTHENIUM Ruthenium 101,07	45 Rh RHODIUM Rhodium 102,91	46 Pd PALLADIUM Palladium 106,42	47 Ag STRĚBRO Argentum 107,87	48 Cd KADMIUM Cadmium 112,41	49 In INDIUM Indium 114,82	50 Sn CIN Stannum 118,69	51 Sb ANTIMON Stibium 121,75	52 Te TELLUR Tellurium 127,60	53 I JOD Iodium 126,90	54 Xe XENON Xenon 131,29	
6	55 Cs CESIUM Caesium 132,91	56 Ba BARYUM Baryum 137,33	57 La LANTHAN Lanthanum 138,91	72 Hf HAFNIUM Hafnium 178,49	73 Ta TANTAL Tantalum 180,95	74 W WOLFRAM Wolfranium 183,85	75 Re RHENIUM Rhenium 186,21	76 Os OSMIUM Osmium 190,20	77 Ir IRIDIUM Iridium 192,22	78 Pt PLATINA Platinum 195,08	79 Au ZLATO Aurum 196,97	80 Hg RTUŤ Hydrargyrum 200,59	81 Tl <th>82 Pb OLOVO Plumbum 207,20</th> <td>83 Bi BISMUT Bismuthum 208,98</td> <td>84 Po POLONIUM Polonium (209)</td> <td>85 At ASTAT Astatium (210)</td> <td>86 Rn RADON Radon (222)</td> <td>87 Fr FRANCIUM Francium (223)</td>	82 Pb OLOVO Plumbum 207,20	83 Bi BISMUT Bismuthum 208,98	84 Po POLONIUM Polonium (209)	85 At ASTAT Astatium (210)	86 Rn RADON Radon (222)	87 Fr FRANCIUM Francium (223)
7	87 Fr FRANCIUM Francium (223)	88 Ra RADIUM Radium (226)	89 Ac AKTINIUM Actinium 227,03	104 Unq Rutherfordium Rutherfordium (261)	105 Unp Dubnium Dubnium (262)	106 Unh Seaborgium Seaborgium (263)	107 Uns Bohrium Bohrium (262)	108 Uno Hassium Hassium (265)	109 Une Meitnerium Meitnerium (266)	110 Uun Ununillium Ununillium (269)	111 Uuu Unununium Unununium (271)	112 Uub Ununbium Ununbium (277)	114 Uuq Ununquadium Ununquadium (289)	116 Uuh Ununhexium Ununhexium (289)	118 Uuo Ununoctium Ununoctium (293)				

(n - 2)f

71 Lu LUTECIUM Lutetium 174,97	72 Hf HAFNIUM Hafnium 178,49	73 Ta TANTAL Tantalum 180,95	74 W WOLFRAM Wolfranium 183,85	75 Re RHENIUM Rhenium 186,21	76 Os OSMIUM Osmium 190,20	77 Ir IRIDIUM Iridium 192,22	78 Pt PLATINA Platinum 195,08	79 Au ZLATO Aurum 196,97	80 Hg RTUŤ Hydrargyrum 200,59	81 Tl <th>82 Pb OLOVO Plumbum 207,20</th> <td>83 Bi BISMUT Bismuthum 208,98</td> <td>84 Po POLONIUM Polonium (209)</td> <td>85 At ASTAT Astatium (210)</td> <td>86 Rn RADON Radon (222)</td> <td>87 Fr FRANCIUM Francium (223)</td> <td>88 Ra RADIUM Radium (226)</td> <td>89 Ac AKTINIUM Actinium 227,03</td> <td>90 Th THORIUM Thorium 232,04</td> <td>91 Pa PROTAKTINIUM Protactinium 231,04</td> <td>92 U URAN Uranium 238,03</td> <td>93 Np NEPTUNIUM Neptunium 237,05</td> <td>94 Pu PLUTONIUM Plutonium (242)</td> <td>95 Am AMERICIUM Americium (243)</td> <td>96 Cm CURIUM Curium (247)</td> <td>97 Bk BERKELIUM Berkelium (247)</td> <td>98 Cf KALIFORNIUM Californium (251)</td> <td>99 Es EINSTEINIUM Einsteinium (254)</td> <td>100 Fm FERMIUM Fermium (253)</td> <td>101 Md MENDELEVIUM Mendelevium (256)</td> <td>102 No NOBELIUM Nobelium (254)</td> <td>103 Lr LAWRENCIUM Lawrencium (257)</td> <td>104 Rf RUFORDIUM Rutherfordium (261)</td> <td>105 Db DUBNIUM Dubnium (262)</td> <td>106 Sg SEABORGIUM Seaborgium (263)</td> <td>107 Bh BOHRMIUM Bohrium (262)</td> <td>108 Hs HASSIUM Hassium (265)</td> <td>109 Mt MEITNERIUM Meitnerium (266)</td> <td>110 Un UNUNILLIUM Ununillium (269)</td> <td>111 Uu UNUNUNIUM Unununium (271)</td> <td>112 Uub UNUNBIUM Ununbium (277)</td> <td>113 Uut UNUNTRIUM Ununtrium (283)</td> <td>114 Uuq UNUNQUADIUM Ununquadium (289)</td> <td>115 Uu UNUNPENTIUM Ununpentium (285)</td> <td>116 Uuh UNUNHEXIUM Ununhexium (289)</td> <td>117 Uue UNUNSEPTIUM Ununseptium (288)</td> <td>118 Uuo UNUNOCTIUM Ununoctium (286)</td>	82 Pb OLOVO Plumbum 207,20	83 Bi BISMUT Bismuthum 208,98	84 Po POLONIUM Polonium (209)	85 At ASTAT Astatium (210)	86 Rn RADON Radon (222)	87 Fr FRANCIUM Francium (223)	88 Ra RADIUM Radium (226)	89 Ac AKTINIUM Actinium 227,03	90 Th THORIUM Thorium 232,04	91 Pa PROTAKTINIUM Protactinium 231,04	92 U URAN Uranium 238,03	93 Np NEPTUNIUM Neptunium 237,05	94 Pu PLUTONIUM Plutonium (242)	95 Am AMERICIUM Americium (243)	96 Cm CURIUM Curium (247)	97 Bk BERKELIUM Berkelium (247)	98 Cf KALIFORNIUM Californium (251)	99 Es EINSTEINIUM Einsteinium (254)	100 Fm FERMIUM Fermium (253)	101 Md MENDELEVIUM Mendelevium (256)	102 No NOBELIUM Nobelium (254)	103 Lr LAWRENCIUM Lawrencium (257)	104 Rf RUFORDIUM Rutherfordium (261)	105 Db DUBNIUM Dubnium (262)	106 Sg SEABORGIUM Seaborgium (263)	107 Bh BOHRMIUM Bohrium (262)	108 Hs HASSIUM Hassium (265)	109 Mt MEITNERIUM Meitnerium (266)	110 Un UNUNILLIUM Ununillium (269)	111 Uu UNUNUNIUM Unununium (271)	112 Uub UNUNBIUM Ununbium (277)	113 Uut UNUNTRIUM Ununtrium (283)	114 Uuq UNUNQUADIUM Ununquadium (289)	115 Uu UNUNPENTIUM Ununpentium (285)	116 Uuh UNUNHEXIUM Ununhexium (289)	117 Uue UNUNSEPTIUM Ununseptium (288)	118 Uuo UNUNOCTIUM Ununoctium (286)
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skupenství prvku (při 20°C) **Li** **Br** **H**

oxidační číslo **22 Ti** **47,90**

protonové číslo **Titanium**

značka **Ti**

elektronová konfigurace **Ti**

český název prvku **Titanium**

latinský název prvku **Titanium**

hmotnostní číslo **47,90**

- vodík
- alkalické kovy
- kovy alkalických zemin
- kovy
- polokovy
- nekovy
- vzácné plyny
- radioaktivní prvky

* lanthanoidy
** aktinoidy