



# PERIODICKÁ SOUSTAVA PRVKŮ

1 I. A											13 III. A	14 IV. A	15 V. A	16 VI. A	17 VII. A	18 VIII. A											
1 <b>H</b> 1 1,00794 Vodík											5 <b>B</b> 10,811 2,00 Bor	6 <b>C</b> 12,011 2,50 Uhlík	7 <b>N</b> 14,007 3,10 Dusík	8 <b>O</b> 15,999 3,50 Kyslík	9 <b>F</b> 18,998 4,10 Fluor	10 <b>Ne</b> 20,179 Helium											
2 II. A	3 <b>Li</b> 6,941 0,97 Lithium	4 <b>Be</b> 9,0122 1,50 Beryllium											13 <b>Al</b> 26,982 1,50 Hliník	14 <b>Si</b> 28,085 1,70 Křemík	15 <b>P</b> 30,974 2,10 Fosfor	16 <b>S</b> 32,06 2,40 Síra	17 <b>Cl</b> 35,453 2,80 Chlor	18 <b>Ar</b> 39,948 Argon									
3	11 <b>Na</b> 22,990 1,00 Sodík	12 <b>Mg</b> 24,305 1,20 Hořčík	3 III. B	4 IV. B	5 V. B	6 VI. B	7 VII. B	8 VIII. B	9 VIII. B	10 VIII. B	11 I. B	12 II. B	13 <b>Al</b> 26,982 1,50 Hliník	14 <b>Si</b> 28,085 1,70 Křemík	15 <b>P</b> 30,974 2,10 Fosfor	16 <b>S</b> 32,06 2,40 Síra	17 <b>Cl</b> 35,453 2,80 Chlor	18 <b>Ar</b> 39,948 Argon									
4	19 <b>K</b> 39,098 0,91 Draslík	20 <b>Ca</b> 40,078 1,00 Vápník	21 <b>Sc</b> 44,956 1,30 Skandium	22 <b>Ti</b> 47,867 1,30 Titan	23 <b>V</b> 50,942 1,50 Vanad	24 <b>Cr</b> 51,996 1,60 Chrom	25 <b>Mn</b> 54,938 1,60 Mangan	26 <b>Fe</b> 55,845 1,60 Železo	27 <b>Co</b> 58,933 1,70 Kobalt	28 <b>Ni</b> 58,693 1,70 Nikl	29 <b>Cu</b> 63,546 1,70 Měď	30 <b>Zn</b> 65,38 1,70 Zinek	31 <b>Ga</b> 69,723 1,80 Gallium	32 <b>Ge</b> 72,61 2,00 Germanium	33 <b>As</b> 74,922 2,20 Arzen	34 <b>Se</b> 78,971 2,50 Selen	35 <b>Br</b> 79,904 2,70 Brom	36 <b>Kr</b> 83,798 Krypton									
5	37 <b>Rb</b> 85,468 0,89 Rubidium	38 <b>Sr</b> 87,62 0,99 Stroncium	39 <b>Y</b> 88,906 1,10 Yttrium	40 <b>Zr</b> 91,224 1,20 Zirkonium	41 <b>Nb</b> 92,906 1,20 Niob	42 <b>Mo</b> 95,95 1,30 Molybden	43 <b>Tc</b> -98 1,40 Technecium	44 <b>Ru</b> 101,07 1,40 Ruthenium	45 <b>Rh</b> 102,91 1,40 Rhodium	46 <b>Pd</b> 106,42 1,30 Palladium	47 <b>Ag</b> 107,87 1,40 Stříbro	48 <b>Cd</b> 112,41 1,50 Kadmium	49 <b>In</b> 114,82 1,50 Indium	50 <b>Sn</b> 118,71 1,70 Cín	51 <b>Sb</b> 121,75 1,80 Antimon	52 <b>Te</b> 127,60 2,00 Tellur	53 <b>I</b> 126,90 2,20 Jod	54 <b>Xe</b> 131,29 Xenon									
6	55 <b>Cs</b> 132,91 0,86 Cesium	56 <b>Ba</b> 137,33 0,97 Baryum											72 <b>Hf</b> 178,49 1,20 Hafnium	73 <b>Ta</b> 180,95 1,30 Tantal	74 <b>W</b> 183,84 1,30 Wolfram	75 <b>Re</b> 186,21 1,50 Rhenium	76 <b>Os</b> 190,23 1,50 Osmium	77 <b>Ir</b> 192,22 1,50 Iridium	78 <b>Pt</b> 195,08 1,40 Platina	79 <b>Au</b> 196,97 1,40 Zlato	80 <b>Hg</b> 200,59 1,40 Rtuť	81 <b>Tl</b> 204,38 1,40 Thallium	82 <b>Pb</b> 207,20 1,50 Olovo	83 <b>Bi</b> 208,98 1,70 Bismut	84 <b>Po</b> -209 1,80 Polonium	85 <b>At</b> -210 1,90 Astat	86 <b>Rn</b> -222 Radon
7	87 <b>Fr</b> -223 0,86 Francium	88 <b>Ra</b> 226,03 0,97 Radium											104 <b>Rf</b> 261,11 Rutherfordium	105 <b>Db</b> 262,11 Dubnium	106 <b>Sg</b> 263,12 Seaborgium	107 <b>Bh</b> 262,12 Bohrium	108 <b>Hs</b> 270 Hassium	109 <b>Mt</b> 268 Meitnerium	110 <b>Ds</b> 281 Darmstadtium	111 <b>Rg</b> 280 Roentgenium	112 <b>Cn</b> 277 Kopernicium	113 <b>Nh</b> -287 Nihonium	114 <b>Fl</b> 289 Flerovium	115 <b>Mc</b> -288 Moskovium	116 <b>Lv</b> -289 Livermorium	117 <b>Ts</b> -291 Tennessin	118 <b>Og</b> 293 Oganesson

Diagram illustrating the structure of an element box for Vanadium (V):

- 50,942: Relativní atomová hmotnost
- V: Značka
- 23: Protonové číslo
- 1,50: Elektronegativita
- Vanad: Název

## 6 LANTHANOIDY

57 <b>La</b> 138,91 1,10 Lanthan	58 <b>Ce</b> 140,12 1,10 Cer	59 <b>Pr</b> 140,91 1,10 Praseodym	60 <b>Nd</b> 144,24 1,10 Neodym	61 <b>Pm</b> -145 1,10 Promethium	62 <b>Sm</b> 150,36 1,10 Samarium	63 <b>Eu</b> 151,96 1,00 Europium	64 <b>Gd</b> 157,25 1,10 Gadolinium	65 <b>Tb</b> 158,93 1,10 Terbium	66 <b>Dy</b> 162,50 1,10 Dysprosium	67 <b>Ho</b> 164,93 1,10 Holmium	68 <b>Er</b> 167,26 1,10 Erbium	69 <b>Tm</b> 168,93 1,10 Thulium	70 <b>Yb</b> 173,04 1,10 Ytterbium	71 <b>Lu</b> 174,97 1,10 Lutecium
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## 7 AKTINOIDY

89 <b>Ac</b> 227,03 1,00 Aktinium	90 <b>Th</b> 232,04 1,10 Thorium	91 <b>Pa</b> 231,04 1,10 Proaktinium	92 <b>U</b> 238,03 1,20 Uran	93 <b>Np</b> 237,05 1,20 Neptunium	94 <b>Pu</b> {244} 1,20 Plutonium	95 <b>Am</b> -243 1,20 Americium	96 <b>Cm</b> -247 1,20 Curium	97 <b>Bk</b> -247 1,20 Berkelium	98 <b>Cf</b> -251 1,20 Kalifornium	99 <b>Es</b> -252 1,20 Einsteinium	100 <b>Fm</b> -257 1,20 Fermium	101 <b>Md</b> -258 1,20 Mendělevium	102 <b>No</b> -259 1,20 Nobelium	103 <b>Lr</b> -260 1,20 Lawrencium
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