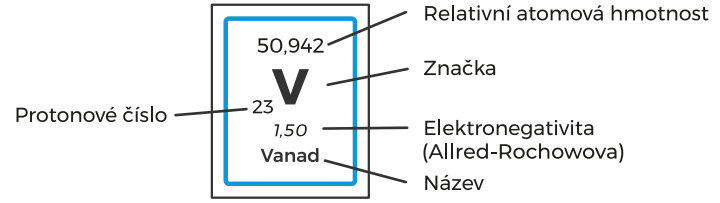
CHEMICKÁ OLYMPIÁDA

PERIODICKÁ SOUSTAVA PRVKŮ



	1 I. A	2 II. A	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 III. A	14 IV. A	15 V. A	16 VI. A	17 VII. A	18 VIII. A
1	1,00794 **H** 1 *2,20* Vodík																	4,0026 **He** 2 Helium
2	6,941 **Li** 3 *0,97* Lithium	9,0122 **Be** 4 *1,50* Beryllium											10,811 **B** 5 *2,00* Bor	12,011 **C** 6 *2,50* Uhlík	14,007 **N** 7 *3,10* Dusík	15,999 **O** 8 *3,50* Kyslík	18,998 **F** 9 *4,10* Fluor	20,179 **Ne** 10 Neon
3	22,990 **Na** 11 *1,00* Sodík	24,305 **Mg** 12 *1,20* Hořčík											26,982 **Al** 13 *1,50* Hliník	28,085 **Si** 14 *1,70* Křemík	30,974 **P** 15 *2,10* Fosfor	32,06 **S** 16 *2,40* Síra	35,453 **Cl** 17 *2,80* Chlor	39,948 **Ar** 18 Argon
4	39,098 **K** 19 *0,91* Draslík	40,078 **Ca** 20 *1,00* Vápník	44,956 **Sc** 21 *1,30* Skandium	47,867 **Ti** 22 *1,30* Titan	50,942 **V** 23 *1,50* Vanad	51,996 **Cr** 24 *1,60* Chrom	54,938 **Mn** 25 *1,60* Mangan	55,845 **Fe** 26 *1,60* Železo	58,933 **Co** 27 *1,70* Kobalt	58,693 **Ni** 28 *1,70* Nikl	63,546 **Cu** 29 *1,70* Měď	65,38 **Zn** 30 *1,70* Zinek	69,723 **Ga** 31 *1,80* Gallium	72,61 **Ge** 32 *2,00* Germanium	74,922 **As** 33 *2,20* Arzen	78,971 **Se** 34 *2,50* Selen	79,904 **Br** 35 *2,70* Brom	83,798 **Kr** 36 Krypton
5	85,468 **Rb** 37 *0,89* Rubidium	87,62 **Sr** 38 *0,99* Stroncium	88,906 **Y** 39 *1,10* Yttrium	91,224 **Zr** 40 *1,20* Zirkonium	92,906 **Nb** 41 *1,20* Niob	95,95 **Mo** 42 *1,30* Molybden	~98 **Tc** 43 *1,40* Technecium	101,07 **Ru** 44 *1,40* Ruthenium	102,91 **Rh** 45 *1,40* Rhodium	106,42 **Pd** 46 *1,30* Palladium	107,87 **Ag** 47 *1,40* Stříbro	112,41 **Cd** 48 *1,50* Kadmium	114,82 **In** 49 *1,50* Indium	118,71 **Sn** 50 *1,70* Cín	121,75 **Sb** 51 *1,80* Antimon	127,60 **Te** 52 *2,00* Tellur	126,90 **I** 53 *2,20* Jod	131,29 **Xe** 54 Xenon
6	132,91 **Cs** 55 *0,86* Cesium	137,33 **Ba** 56 *0,97* Baryum		178,49 **Hf** 72 *1,20* Hafnium	180,95 **Ta** 73 *1,30* Tantal	183,84 **W** 74 *1,30* Wolfram	186,21 **Re** 75 *1,50* Rhenium	190,23 **Os** 76 *1,50* Osmium	192,22 **Ir** 77 *1,50* Iridium	195,08 **Pt** 78 *1,40* Platina	196,97 **Au** 79 *1,40* Zlato	200,59 **Hg** 80 *1,40* Rtuť	204,38 **Tl** 81 *1,40* Thallium	207,20 **Pb** 82 *1,50* Olovo	208,98 **Bi** 83 *1,70* Bismut	~209 **Po** 84 *1,80* Polonium	~210 **At** 85 *1,90* Astat	~222 **Rn** 86 Radon
7	~223 **Fr** 87 *0,86* Francium	226,03 **Ra** 88 *0,97* Radium		261,11 **Rf** 104 Rutherfordium	262,11 **Db** 105 Dubnium	263,12 **Sg** 106 Seaborgium	262,12 **Bh** 107 Bohrium	270 **Hs** 108 Hassium	268 **Mt** 109 Meitnerium	281 **Ds** 110 Darmstadtium	280 **Rg** 111 Roentgenium	277 **Cn** 112 Kopernicium	~287 **Nh** 113 Nihonium	289 **Fl** 114 Flerovium	~288 **Mc** 115 Moskovium	~289 **Lv** 116 Livermorium	~291 **Ts** 117 Tennessin	293 **Og** 118 Oganesson

6	**LANTHANOIDY**	138,91 **La** 57 *1,10* Lanthan	140,12 **Ce** 58 *1,10* Cer	140,91 **Pr** 59 *1,10* Praseodym	144,24 **Nd** 60 *1,10* Neodym	~145 **Pm** 61 *1,10* Promethium	150,36 **Sm** 62 *1,10* Samarium	151,96 **Eu** 63 *1,00* Europium	157,25 **Gd** 64 *1,10* Gadolinium	158,93 **Tb** 65 *1,10* Terbium	162,50 **Dy** 66 *1,10* Dysprosium	164,93 **Ho** 67 *1,10* Holmium	167,26 **Er** 68 *1,10* Erbium	168,93 **Tm** 69 *1,10* Thulium	173,04 **Yb** 70 *1,10* Ytterbium	174,97 **Lu** 71 *1,10* Lutecium
7	**AKTINOIDY**	227,03 **Ac** 89 *1,00* Aktinium	232,04 **Th** 90 *1,10* Thorium	231,04 **Pa** 91 *1,10* Proaktinium	238,03 **U** 92 *1,20* Uran	237,05 **Np** 93 *1,20* Neptunium	{244} **Pu** 94 *1,20* Plutonium	~243 **Am** 95 *1,20* Americium	~247 **Cm** 96 *1,20* Curium	~247 **Bk** 97 *1,20* Berkelium	~251 **Cf** 98 *1,20* Kalifornium	~252 **Es** 99 *1,20* Einsteinium	~257 **Fm** 100 *1,20* Fermium	~258 **Md** 101 *1,20* Mendělevium	~259 **No** 102 *1,20* Nobelium	~260 **Lr** 103 *1,20* Lawrencium