The Periodic Table of Elements

0 (8) (18) 4.0 He helium	20.2 Ne neon 10	39.9 Ar argon 18	83.8	Kr krypton 36	131.3	Xe	54	[222]	Rn radon 86	p,			
7	19.0 F fluorine 9	35.5 Cl chlorine 17	79.9	Br bromine 35	126.9	I iodine	53	[210]	At astatine 85	een reporte	175	LU lutetium 71	[257] Lr lawrencium 103
9 (46)	16.0 O oxygen 8	32.1 S sulfur 16	79.0	Se selenium 34	127.6	Te tellurium	52	[506]	Po polonium 84	16 have be ticated	173	YD ytterbium 70	No No nobelium
5 (15)	14.0 N nitrogen 7	31.0 P phosphorus	74.9	AS arsenic 33	121.8	Sb antimony	51	209.0	Bi bismuth 83	Elements with atomic numbers 112-116 have been reported but not fully authenticated	169	thulium 69	[256] Md mendelevium 101
4 (4)	12.0 C carbon 6	28.1 Si silicon 14	72.6	Ge germanium 32	118.7	S E	50	207.2	Pb lead 82	atomic nur but not fı	167	Er erbium 68	[253] Fm fermium 100
3	10.8 B boron 5	27.0 Al aluminium 13	69.7	Ga gallium 31	114.8	Indium	49	204.4	Tl thallium 81	nents with	165	HO holmium 67	[254] Es einsteinium 99
		(12)	65.4	Zn zinc 30	112.4	Cd cadmium	48	9:007	Hg mercury 80	Elen	163	Dy dysprosium 66	[251] [254] Cf Es californium einsteinium 98 99
		(11)	63.5	Cu copper 29	107.9	Ag silver	47	197.0	Au gold 79	[272] Rg roentgenium	159	I D terbium 65	[245] BK berkelium 97
(01)				Ni nickel 28	106.4	Pd palladium	46	195.1	Pt platinum 78	[271] Ds damstadtium 110	157	GG gadolinium 64	[247] Cm curium 96
(6)			58.9	Co cobalt 27	102.9	Rh rhodium	45	192.2	I r iridium 77	[268] Mt meitnerium 109	152	EU europium 63	[243] Am americium 95
1.0 H hydrogen 1		(8)	55.8	Fe iron 26	101.1	Ru ruthenium	44	190.2	Os osmium 76	[277] Hs hassium 108	150	SM samarium 62	[242] Pu plutonium 94
		(2)	54.9	Mn manganese 25	[86]	Tc technetium		186.2	Re rhenium 75	[264] Bh bohrium 107	[147]	Fm promethium 61	[237]
Key	relative atomic mass atomic symbol name comic (proton) number	(9)	52.0	Cr chromium 24	95.9	Mo molybdenum	42	183.8	W tungsten 74	[266]	144	Na neodymium 60	238 U uranium 92
		(5)	50.9	V vanadium 23	92.9	Nb niobium	41	180.9	Ta tantalum 73	[262] Db dubnium 105	141	P.F praseodymium 59	[231] Pa protactinium 91
	relat atc	(4)	47.9	Ti titanium 22	91.2	Zr zirconium	40	178.5	Hf hafnium 72	[261] Rf rutherfordium 104	140	cerium 58	232 Th thorium 90
(3)				Sc scandium 21	88.9	Y yttrium	39	138.9	La* lanthanum 57	[227] AC* actinium 89	-	3	
7	9.0 Be beryllium	24.3 Mg magnesium	40.1	Ca calcium 20	87.6	Sr strontium	38	137.3	Ba barium 56	[226] Ra radium 88	* Lanthanide series * Actinide series		
1	6.9 Li (lithium)	23.0 Na sodium 11	39.1	K potassium 19	85.5	Rb rubidium	37	132.9	Cs caesium 55	[223]			