The Periodic Table of Elements

	18	7 F	helium 4	9	Ne	neon 20	18	Ā	argon	36	궃	krypton 8.1	545	Xe	xenon	98	R	radon	118	Ö	oganesson	ı
	17			6	ш	fluorine 10	17	Cl	chlorine 35.5	35	ğ	bromine	23	Н	iodine 127	85	Ą	astatine	117	<u>S</u>	tennessine	ı
	16			œ	0	oxygen	16	S	sulfur 32	34	Se	selenium 70	52	Б	tellurium 128	84	S	mninolod	116	_	livermorium	ı
	15			7	z	nitrogen 14	15	۵	phosphorus 31	33	As	arsenic 75	5 5	Sp	antimony 122	83	ïā	bismuth	115	Mc	moscovium	ı
	41			9	ပ	carbon 12	1 4	S	silicon 28	32	Ge	germanium 73	20	Sn	tin 119	82	Ър	lead 207	114	Εl	flerovium	ı
	13			2	Δ	boron 11	13	Αl	aluminium 27	31	Ga	gallium	49	I	indium 115	81	11	thallium	113	R	nihonium	ı
									12	30	Zu	zinc R.R.	48	g	cadmium 112	80	Ε̈́Ξ	mercuny 201	112	ű	copernicium	ı
									7	29	Cn	copper	47	Ag	silver 108	79	Αn	gold 107	111	Rd	roentgenium	ı
Group									10	28	Z	nickel	46	Pd	palladium 106	78	풉	platinum 105	110	Ds	darmstadtium	ı
Grc									6	27	ဝိ	cobalt	45	格	rhodium 103	77	i	iridium 102	109	¥	meitnerium	ı
		← I	hydrogen 1						80	56	Ъе	iron	8 4	R	ruthenium 101	9/	SO	osmium 100	108	£	hassium	ı
									7	25	Mn	manganese 55	43	ည	technetium -	75	Re	rhenium	107	뮴	bohrium	ı
				number	loq	mass	8		9	24	ပ်	chromium 52	42	Mo	molybdenum 96	74	>	tungsten	106	Sd	seaborgium	ı
			Key	(atomic) r	mic sym	name relative atomic mass			2	23	>	vanadium 5.1	4	Q N	niobium 93	73	<u>n</u>	tantalum	105		0	
				proton	atc	relat.	5		4	22	F	titanium	40	Zr	zirconium 91	72	Ξ	hafnium 178	104	꿒	rutherfordium	ı
									က	21	လွ	scandium	39	>	yttrium 89	57-71	lanthanoids		89-103	actinoids		
	2			4	Be	beryllium 9	12	Mg	magnesium 24	20	Ca	calcium	38	Š	strontium 88	56	Ba	barium 137	88	Ra	radium	ı
	_			က	:=	lithium 7	- 1	Na	sodium 23	19	¥	potassium	37	S S	rubidium 85	55	CS	caesium	87	Ŧ	francium	ı

71	Γn	Intetium	175	103	۲	lawrencium	ı		
70	Ϋ́	ytterbium	173	102	2	nobelium	ı		
69	T	thulium	169	101	Md	mendelevium	ı		
89	щ	erbinm	167	100	Fm	fermium	ı		
29	운	holmium	165	66	Es	einsteinium	ı		
99	۵	dysprosium	163	98	చ	californium	ı		
65	q	terbium	159	97	ă	berkelium	ı		
64	В	gadolinium	157	96	CB	curium	ı		
63	En	europium	152	95	Am	americium	ı		
62	Sm	samarium	150	94	Pu	plutonium	ı		
61	Pm	promethium	ı	93	ď	neptunium	ı		
09	R	neodymium	144	92	\supset	uranium	238		
29	፵	praseodymium	141	91	Ра	protactinium	231		
	Ce								
29	Гa	lanthanum	139	89	Ac	actinium	ı		
	lanthanoids	3		actinoids					

The volume of one mole of any gas is $24\,\mathrm{dm}^3$ at room temperature and pressure (r.t.p.). The Avogadro constant, $L=6.02\times10^{23}\,\mathrm{mol}^{-1}$.

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