The Periodic Table of Elements

0 (8)	4.0 He helium 2	20.2	Ne	neon	2	39.9	٩٢	argon 18	83.8	궃	krypton	36	131.3	Xe	xenon	54	[222]	윤.	radon 86									
0					+																eported			_	En .		<u> </u>	cium 3
7	(17)	19.0	<u> </u>	fluorine	۲	35.5	<u></u> こ	chlorine 17	79.9	Br	À	35	126.9		. <u>⊃</u>	53	[210]		astatine 85		been re		175	L	lutetium 71	[257]		lawrencium 103
9	(16)	16.0	0	oxygen	o	32.1	S	sulfur 16	79.0	Se	selenium	34	127.6	<u>L</u>	tellurium	52	[509]	S	polonium 84		116 have	ונוכמוכח	173	Υb	ytterbium 70	[254]	S N	nobelium 102
2	(15)	14.0	z	nitrogen 7	,	31.0	₾ :	phosphorus 15	74.9	As	arsenic	33	121.8	Sb	antimony	51	209.0		bismuth 83		tomic numbers 112-116 hav	מנול מחרווכו	169	H	thulium 69	[256]	þW	mendelevium 101
4	(14)	12.0	U	carbon	٥	28.1	:S	silicon 14	72.6	g	germanium	32	118.7	Sn	ţi.	20	207.2	P	lead 82		atomic nur		167	Ē	erbium 68	[253]	FB	fermium 100
m	(13)	10.8	В	boron	C	27.0	¥	aluminium 13	2.69	Ga	gallium	31	114.8	In	indium	49	204.4	F	thallium 81		Elements with atomic numbers 112-116 have been reported but not fully authenticated			우	holmium 67	[254]	Es	einsteinium 99
								(12)	65.4	Zn	zinc	30	112.4	<u>В</u>	cadmium	48	200.6	Hg	mercury 80		Elem		163	D	dysprosium 66	[251]	ָל	californium einsteinium 98 99
								(11)	63.5	ŋ	copper	29	107.9	Ag	silver	47	197.0	Υn	gold 79	[272]	Rg	111	159	ТР	terbium 65	[245]	B	berkelium 97
	(10)									Ë	nickel	28	106.4	Pd	palladium	46	195.1	<u>ځ</u> :	platinum 78	[271]		110	157	PS	gadolinium 64	[247]	E	aurium 96
		(6)									cobalt	27	102.9	格	rhodium	45	192.2	1	mulginm 27	[368]	Mt		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	SO.	osmium 76	[277]		108	150	Sm	samarium 62	[242]	Pu	plutonium 94
		(2)								Wn	manganese	25	[86]	<u>ا</u>	technetium	43	186.2	Re	rhenium 75	[264]	Bh	107	[147]	Pm	promethium 61	[237]	a N	neptunium 93
		mass	log	ımher				(9)	52.0	ڻ	chromium	24	95.9	Wo	molybdenum	42	183.8	≥	tungsten 74	[592]	Sg	35aborgiuiii 106	144	PN	neodymium promethium 60 61	238	D	uranium 92
	Key	relative atomic mass	atomic symbol	name atomic (proton) number	(proton) n			(5)	50.9	>	vanadium	23	92.9	g	niobium	41	180.9	ַם	tantalum 73	[797]	Dp	105	141	Pr	praseodymium 59	[231]	Pa	protactinium 91
		relati	ato		200			(4)	47.9	ï	titanium	22	91.2	Zr	zirconium	40	178.5	±	hafnium 72	[261]	Rf	104	140	Çe	cerium 58	232	丘	thorium 90
								(3)	45.0	Sc	scandium	21	88.9	>	yttrium	39	138.9	. La*	lanthanum 57	[227]	Ac*	89		S		•		
2	(2)	9.0 Be beryllium 4				24.3 Mg		magnesium 12	40.1	Ca	calcium	20	87.6	Sr	strontium	38	137.3	Ba	Darium 56	[526]	Ra radium	88		* Lanthanide series	* Actinide series			
~	(1)	6.9	ב	lithium	7			sodium 11	39.1	¥	potassium	19	85.5	8	rubidium	37	132.9	<u>ဗ</u>	caesium 55	[223]	Fr	87		* Lanth	* Actin			