

The Periodic Table of Elements

1	2	3	4	5	6	7	8 (18)																																																																																																																																								
6.9 Li lithium 3	9.0 Be beryllium 4	10.8 B boron 5	12.0 C carbon 6	14.0 N nitrogen 7	16.0 O oxygen 8	19.0 F fluorine 9	20.2 Ne neon 10																																																																																																																																								
23.0 Na sodium 11	24.3 Mg magnesium 12	27.0 Al aluminium 13	28.1 Si silicon 14	31.0 P phosphorus 15	32.1 S sulfur 16	35.5 Cl chlorine 17	39.9 Ar argon 18																																																																																																																																								
39.1 K potassium 19	40.1 Ca calcium 20	69.7 Ga gallium 31	72.6 Ge germanium 32	74.9 As arsenic 33	79.0 Se selenium 34	79.9 Br bromine 35	83.8 Kr krypton 36																																																																																																																																								
85.5 Rb rubidium 37	87.6 Sr strontium 38	114.8 In indium 49	118.7 Sn tin 50	121.8 Sb antimony 51	127.6 Te tellurium 52	126.9 I iodine 53	131.3 Xe xenon 54																																																																																																																																								
132.9 Cs caesium 55	137.3 Ba barium 56	204.4 Tl thallium 81	207.2 Pb lead 82	209.0 Bi bismuth 83	[209] Po polonium 84	[210] At astatine 85	[222] Rn radon 86																																																																																																																																								
[223] Fr francium 87	[226] Ra radium 88	200.6 Hg mercury 80	204.4 Tl thallium 81	209.0 Bi bismuth 83	[209] Po polonium 84	[210] At astatine 85	[222] Rn radon 86																																																																																																																																								
Elements with atomic numbers 112-116 have been reported but not fully authenticated																																																																																																																																															
1.0 H hydrogen 1	<table border="1"> <thead> <tr> <th colspan="2">Key</th> <th>(13)</th> <th>(14)</th> <th>(15)</th> <th>(16)</th> <th>(17)</th> <th>(18)</th> </tr> <tr> <th>relative atomic mass</th> <th>atomic symbol name</th> <th>(13)</th> <th>(14)</th> <th>(15)</th> <th>(16)</th> <th>(17)</th> <th>(18)</th> </tr> <tr> <th></th> <th>atomic (proton) number</th> <th>(13)</th> <th>(14)</th> <th>(15)</th> <th>(16)</th> <th>(17)</th> <th>(18)</th> </tr> </thead> <tbody> <tr> <td>65.4</td> <td>Zn zinc 30</td> <td>65.4</td> <td>72.6</td> <td>74.9</td> <td>79.0</td> <td>79.9</td> <td>83.8</td> </tr> <tr> <td>63.5</td> <td>Cu copper 29</td> <td>63.5</td> <td>72.6</td> <td>74.9</td> <td>79.0</td> <td>79.9</td> <td>83.8</td> </tr> <tr> <td>112.4</td> <td>Cd cadmium 48</td> <td>112.4</td> <td>118.7</td> <td>121.8</td> <td>127.6</td> <td>126.9</td> <td>131.3</td> </tr> <tr> <td>107.9</td> <td>Ag silver 47</td> <td>107.9</td> <td>118.7</td> <td>121.8</td> <td>127.6</td> <td>126.9</td> <td>131.3</td> </tr> <tr> <td>197.0</td> <td>Au gold 79</td> <td>197.0</td> <td>207.2</td> <td>209.0</td> <td>[209]</td> <td>[210]</td> <td>[222]</td> </tr> <tr> <td>[272]</td> <td>Rg roentgenium 111</td> <td>[272]</td> <td>207.2</td> <td>209.0</td> <td>[209]</td> <td>[210]</td> <td>[222]</td> </tr> <tr> <td>[271]</td> <td>Ds darmstadtium 110</td> <td>[271]</td> <td>207.2</td> <td>209.0</td> <td>[209]</td> <td>[210]</td> <td>[222]</td> </tr> <tr> <td>[268]</td> <td>Mt meitnerium 109</td> <td>[268]</td> <td>207.2</td> <td>209.0</td> <td>[209]</td> <td>[210]</td> <td>[222]</td> </tr> <tr> <td>[277]</td> <td>Hs hassium 108</td> <td>[277]</td> <td>207.2</td> <td>209.0</td> <td>[209]</td> <td>[210]</td> <td>[222]</td> </tr> <tr> <td>[264]</td> <td>Bh bohrium 107</td> <td>[264]</td> <td>207.2</td> <td>209.0</td> <td>[209]</td> <td>[210]</td> <td>[222]</td> </tr> <tr> <td>[266]</td> <td>Sg seaborgium 106</td> <td>[266]</td> <td>207.2</td> <td>209.0</td> <td>[209]</td> <td>[210]</td> <td>[222]</td> </tr> <tr> <td>[262]</td> <td>Db dubnium 105</td> <td>[262]</td> <td>207.2</td> <td>209.0</td> <td>[209]</td> <td>[210]</td> <td>[222]</td> </tr> <tr> <td>[261]</td> <td>Rf rutherfordium 104</td> <td>[261]</td> <td>207.2</td> <td>209.0</td> <td>[209]</td> <td>[210]</td> <td>[222]</td> </tr> <tr> <td>[227]</td> <td>Ac* actinium 89</td> <td>[227]</td> <td>207.2</td> <td>209.0</td> <td>[209]</td> <td>[210]</td> <td>[222]</td> </tr> </tbody> </table>							Key		(13)	(14)	(15)	(16)	(17)	(18)	relative atomic mass	atomic symbol name	(13)	(14)	(15)	(16)	(17)	(18)		atomic (proton) number	(13)	(14)	(15)	(16)	(17)	(18)	65.4	Zn zinc 30	65.4	72.6	74.9	79.0	79.9	83.8	63.5	Cu copper 29	63.5	72.6	74.9	79.0	79.9	83.8	112.4	Cd cadmium 48	112.4	118.7	121.8	127.6	126.9	131.3	107.9	Ag silver 47	107.9	118.7	121.8	127.6	126.9	131.3	197.0	Au gold 79	197.0	207.2	209.0	[209]	[210]	[222]	[272]	Rg roentgenium 111	[272]	207.2	209.0	[209]	[210]	[222]	[271]	Ds darmstadtium 110	[271]	207.2	209.0	[209]	[210]	[222]	[268]	Mt meitnerium 109	[268]	207.2	209.0	[209]	[210]	[222]	[277]	Hs hassium 108	[277]	207.2	209.0	[209]	[210]	[222]	[264]	Bh bohrium 107	[264]	207.2	209.0	[209]	[210]	[222]	[266]	Sg seaborgium 106	[266]	207.2	209.0	[209]	[210]	[222]	[262]	Db dubnium 105	[262]	207.2	209.0	[209]	[210]	[222]	[261]	Rf rutherfordium 104	[261]	207.2	209.0	[209]	[210]	[222]	[227]	Ac* actinium 89	[227]	207.2	209.0	[209]	[210]	[222]
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140 Ce cerium 58	141 Pr praseodymium 59	144 Nd neodymium 60	147 Pm promethium 61	150 Sm samarium 62	152 Eu europium 63	157 Gd gadolinium 64	163 Dy dysprosium 66	165 Ho holmium 67	167 Er erbium 68	169 Tm thulium 69	173 Yb ytterbium 70	175 Lu lutetium 71																																																																																																																																			
232 Th thorium 90	231 Pa protactinium 91	238 U uranium 92	237 Np neptunium 93	242 Pu plutonium 94	243 Am americium 95	247 Cm curium 96	251 Cf californium 98	254 Es einsteinium 99	253 Fm fermium 100	256 Md mendelevium 101	254 No nobelium 102	257 Lr lawrencium 103																																																																																																																																			
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