

Period	1																	Group 18			
	2	Group 1		Group 2												Group 18					
	3	Group 1		Group 2		Group 3		Group 4		Group 5		Group 6		Group 7		Group 8		Group 9		Group 18	
	4	Group 1		Group 2		Group 3		Group 4		Group 5		Group 6		Group 7		Group 8		Group 9		Group 18	
	5	Group 1		Group 2		Group 3		Group 4		Group 5		Group 6		Group 7		Group 8		Group 9		Group 18	
	6	Group 1		Group 2		Group 3		Group 4		Group 5		Group 6		Group 7		Group 8		Group 9		Group 18	
	7	Group 1		Group 2		Group 3		Group 4		Group 5		Group 6		Group 7		Group 8		Group 9		Group 18	

**Key:**

Atomic number — 6

Symbol — C

Name — Carbon

Average atomic mass — 12.0107

Electron configuration — [He]2s<sup>2</sup>2p<sup>2</sup>

Hydrogen  
Semiconductors  
(also known as metalloids)

**Metals**

- Alkali metals
- Alkaline-earth metals
- Transition metals
- Other metals

**Nonmetals**

- Halogens
- Noble gases
- Other nonmetals

										Group 13	Group 14	Group 15	Group 16	Group 17	Group 18			
										5	6	7	8	9	10			
										13	14	15	16	17	18			
										28	29	30	31	32	33	34	35	36
										46	47	48	49	50	51	52	53	54
										78	79	80	81	82	83	84	85	86
										110	111	112	113	114	115			

A team at Lawrence Berkeley National Laboratories reported the discovery of elements 116 and 118 in June 1999. The same team retracted the discovery in July 2001. The discovery of elements 113, 114, and 115 has been reported but not confirmed.

63	64	65	66	67	68	69	70	71
95	96	97	98	99	100	101	102	103

The atomic masses listed in this table reflect the precision of current measurements. (Values listed in parentheses are those of the element's most stable or most common isotope.)

\* The systematic names and symbols for elements greater than 110 will be used until the approval of trivial names by IUPAC.