

■ Hydrogen
■ Semiconductors
 (also known as *metalloids*)

Metals

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

Nonmetals

■ Halogens
■ Noble gases
■ Other nonmetals

										Group 18	
										2	
										He	
										Helium 4.002 602 1s ²	
										10	
										Ne	
										Neon 20.1797 [He]2s ² 2p ⁶	
										18	
										Ar	
										Argon 39.948 [Ne]3s ² 3p ⁶	
										36	
										Kr	
										Krypton 83.798 [Ar]3d ¹⁰ 4s ² 4p ⁶	
										54	
										Xe	
										Xenon 131.293 [Kr]4d ¹⁰ 5s ² 5p ⁶	
										86	
										Rn	
										Radon (222) [Xe]4f ¹⁴ 5d ¹⁰ 6s ² 6p ⁶	
										116	
										UUh*	
										Ununhexium (292) [Rn]5f ¹⁴ 6d ¹⁰ 7s ² 7p ⁴	
										114	
										Uuq*	
										Ununquadium (289) [Rn]5f ¹⁴ 6d ¹⁰ 7s ² 7p ²	
										112	
										Uub*	
										Ununbium (285) [Rn]5f ¹⁴ 6d ¹⁰ 7s ²	
										110	
										Ds	
										Darmstadtium (271) [Rn]5f ¹⁴ 6d ⁹ 7s ¹	
										80	
										Hg	
										Mercury 200.59 [Xe]4f ¹⁴ 5d ¹⁰ 6s ²	
										79	
										Au	
										Gold 196.966 55 [Xe]4f ¹⁴ 5d ¹⁰ 6s ¹	
										48	
										Cd	
										Cadmium 112.411 [Kr]4d ¹⁰ 5s ²	
										47	
										Ag	
										Silver 107.8682 [Kr]4d ¹⁰ 5s ¹	
										46	
										Pd	
										Palladium 106.42 [Kr]4d ¹⁰ 5s ⁰	
										36	
										Kr	
										Krypton 83.798 [Ar]3d ¹⁰ 4s ² 4p ⁶	
										35	
										Br	
										Bromine 79.904 [Ar]3d ¹⁰ 4s ² 4p ⁵	
										34	
										Se	
										Selenium 78.96 [Ar]3d ¹⁰ 4s ² 4p ⁴	
										33	
										As	
										Arsenic 74.921 60 [Ar]3d ¹⁰ 4s ² 4p ³	
										32	
										Ge	
										Germanium 72.64 [Ar]3d ¹⁰ 4s ² 4p ²	
										31	
										Ga	
										Gallium 69.723 [Ar]3d ¹⁰ 4s ² 4p ¹	
										30	
										Zn	
										Zinc 65.409 [Ar]3d ¹⁰ 4s ²	
										29	
										Cu	
										Copper 63.546 [Ar]3d ¹⁰ 4s ¹	
										28	
										Ni	
										Nickel 58.6934 [Ar]3d ⁸ 4s ²	

The discoveries of elements with atomic numbers 112, 114, and 116 have been reported but not fully confirmed.

63 Eu Europium 151.964 [Xe]4f ⁷ 6s ²	64 Gd Gadolinium 157.25 [Xe]4f ⁷ 5d ¹ 6s ²	65 Tb Terbium 158.925 34 [Xe]4f ⁷ 6s ²	66 Dy Dysprosium 162.500 [Xe]4f ¹⁰ 6s ²	67 Ho Holmium 164.930 32 [Xe]4f ¹¹ 6s ²	68 Er Erbium 167.259 [Xe]4f ¹² 6s ²	69 Tm Thulium 168.934 21 [Xe]4f ¹³ 6s ²	70 Yb Ytterbium 173.04 [Xe]4f ¹⁴ 6s ²	71 Lu Lutetium 174.967 [Xe]4f ¹⁴ 5d ¹ 6s ²
95 Am Americium (243) [Rn]5f ⁷ 7s ²	96 Cm Curium (247) [Rn]5f ⁶ 7d ¹ 7s ²	97 Bk Berkelium (247) [Rn]5f ⁷ 7s ²	98 Cf Californium (251) [Rn]5f ⁷ 7s ²	99 Es Einsteinium (252) [Rn]5f ⁷ 7s ²	100 Fm Fermium (257) [Rn]5f ¹² 7s ²	101 Md Mendelevium (258) [Rn]5f ⁷ 6d ¹ 7s ²	102 No Nobelium (259) [Rn]5f ⁷ 7s ²	103 Lr Lawrencium (262) [Rn]5f ⁷ 6d ¹ 7s ²