

PERIODIC TABLE: ELECTRON CONFIGURATIONS

Z	ELEMENT	SYMBOL	ELECTRON CONFIGURATION (GROUND STATE)
1	Hydrogen	H	$1s^1$
2	Helium	He	$1s^2$
3	Lithium	Li	$[He] 2s^1$
4	Beryllium	Be	$[He] 2s^2$
5	Boron	B	$[He] 2s^2 2p^1$
6	Carbon	C	$[He] 2s^2 2p^2$
7	Nitrogen	N	$[He] 2s^2 2p^3$
8	Oxygen	O	$[He] 2s^2 2p^4$
9	Fluorine	F	$[He] 2s^2 2p^5$
10	Neon	Ne	$[He] 2s^2 2p^6$
11	Sodium	Na	$[Ne] 3s^1$
12	Magnesium	Mg	$[Ne] 3s^2$
26	Iron	Fe	$[Ar] 3d^6 4s^2$
79	Gold	Au	$[Xe] 4f^{14} 5d^9 6s^1$