

Electron Configuration

	Electron Configuration
C	$1s^2 2s^2 2p^2$
F	$1s^2 2s^2 2p^5$
K	$1s^2 2s^2 2p^6 3s^1$
P	$1s^2 2s^2 2p^6 3s^2 3p^3$
Mn	$1s^2 2s^2 2p^6 3s^2 3p^6 4s^2 3d^5$
Cu	$1s^2 2s^2 2p^6 3s^2 3p^6 4s^1 3d^{10}$ or $4s^2 3d^9$
As	$1s^2 2s^2 2p^6 3s^2 3p^6 4s^2 3d^{10} 4p^3$
V	$1s^2 2s^2 2p^6 3s^2 3p^6 4s^2 3d^3$
Zn	$1s^2 2s^2 2p^6 3s^2 3p^6 4s^2 3d^{10}$
Ag	$1s^2 2s^2 2p^6 3s^2 3p^6 4s^2 3d^{10} 4p^6 5s^1$ or $5s^2 4d^9$
Cr	$1s^2 2s^2 2p^6 3s^2 3p^6 4s^1 3d^5$ or $4s^2 3d^4$
Mo	$1s^2 2s^2 2p^6 3s^2 3p^6 4s^2 3d^5 4p^6$
Pd	$1s^2 2s^2 2p^6 3s^2 3p^6 4s^2 3d^{10} 4p^6$
Se	$1s^2 2s^2 2p^6 3s^2 3p^6 4s^2 3d^{10} 4p^4$
S	$1s^2 2s^2 2p^6 3s^2 3p^4$

Element	Electron Configuration	Shorthand Form of Electron Configuration
N^{3-}	$1s^2 2s^2 2p^6$	$[He] 2s^2 2p^6$ or
Al^{3+}	$1s^2 2s^2 2p^6$	$[He] 2s^2 2p^6$ or
Ag^+	$1s^2 2s^2 2p^6 3s^2 3p^6 4s^2 3d^{10} 4p^6 5s 4d^{10}$	$[Kr] 4d^{10}$
Sn^{2+}	$1s^2 2s^2 2p^6 3s^2 3p^6 4s^2 3d^{10} 4p^6 5s^2 4d^{10} 5p$	$[Kr] 5d^2 4d^{10}$
Sn^{4+}	$1s^2 2s^2 2p^6 3s^2 3p^6 4s^2 3d^{10} 4p^6 5s 4d^{10} 5p$	$[Kr] 4d^{10}$
Cr^{3+}	$1s^2 2s^2 2p^6 3s^2 3p^6 4s 3d^3$	$[Ar] 3d^3$
Rb^+	$1s^2 2s^2 2p^6 3s^2 3p^6 4s^2 3d^{10} 4p^6$	$[Ar] 4s^2 3d^{10} 4p^6$ or
Mn^{2+}	$1s^2 2s^2 2p^6 3s^2 3p^6 4s 3d^5$	$[Ar] 3d^5$
Cr^+	$1s^2 2s^2 2p^6 3s^2 3p^6 4s 3d^5$	$[Ar] 3d^5$
Zn^+	$1s^2 2s^2 2p^6 3s^2 3p^6 4s 3d^{10}$	$[Ar] 3d^{10}$
Au^{1+}	$1s^2 2s^2 2p^6 3s^2 3p^6 4s^2 3d^{10} 4p^6 5s^2 4d^{10} 5p^6 6s 4f^{14} 5d^{10}$	$[Xe] 4f^{14} 5d^{10}$
Ge^{4+}	$1s^2 2s^2 2p^6 3s^2 3p^6 4s 3d^{10} 4p$	$[Ar] 3d^{10}$
Au^{3+}	$1s^2 2s^2 2p^6 3s^2 3p^6 4s^2 3d^{10} 4p^6 5s^2 4d^{10} 5p^6 6s 4f^{14} 5d^8$	$[Xe] 4f^{14} 5d^8$
Cd^{2+}	$1s^2 2s^2 2p^6 3s^2 3p^6 4s^2 3d^{10} 4p^6 5s 4d^{10}$	$[Kr] 3d^{10}$

$[Ne]$

$[Ne]$

$[Kr]$