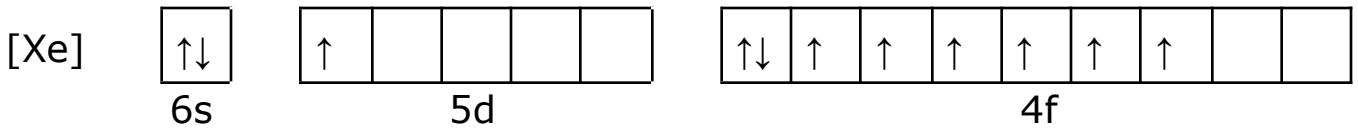
Tb - Terbium

$1s^2 2s^2 2p^6 3s^2 3p^6 4s^2 3d^{10} 4p^6 5s^2 4d^{10} 5p^6 6s^2 5d^1 4f^8$

[Xe] $6s^2 5d^1 4f^8$




| | | |
|---|---|---|
| Atomic Radius: | 176 | pm |
| Electronegativity: | 1.1 | |
| First Ionization Energy: | 565.8 | kJ $mol^{-1}$ |

Cs - Cesium

| $1s^2 2s^2 2p^6 3s^2 3p^6 4s^2 3d^{10} 4p^6 5s^2 4d^{10} 5p^6 6s^1$ |
| --- |
| [Xe] $6s^1$ |

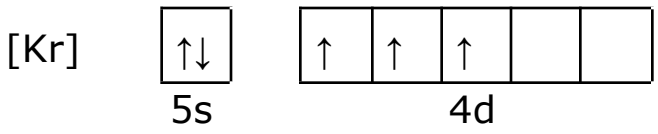
[Xe] ↑

6s

| | | |
| --- | --- | --- |
| Atomic Radius: | 260 | pm |
| Electronegativity: | 0.79 | |
| First Ionization Energy: | 375.7 | kJ $mol^{-1}$ |

Nb - Niobium

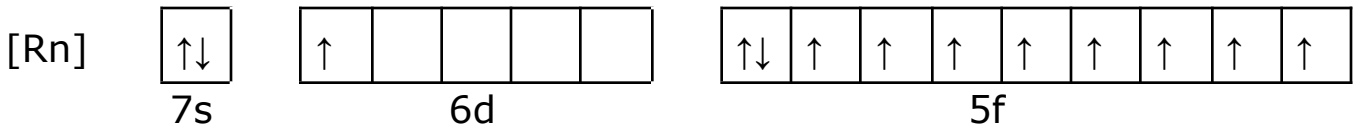
| $1s^2 2s^2 2p^6 3s^2 3p^6 4s^2 3d^{10} 4p^6 5s^2 4d^3$ |
| --- |
| [Kr] $5s^2 4d^3$ |




| | | |
| --- | --- | --- |
| Atomic Radius: | 146 | pm |
| Electronegativity: | 1.6 | |
| First Ionization Energy: | 652.1 | kJ $mol^{-1}$ |

Bk - Berkelium

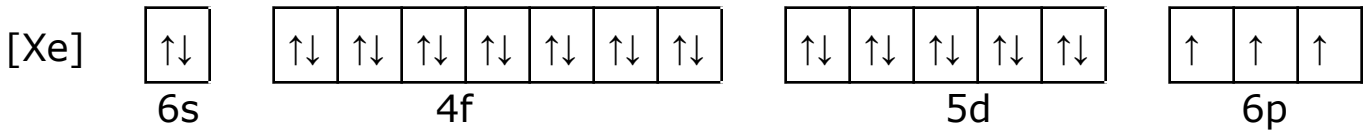
| $1s^2 2s^2 2p^6 3s^2 3p^6 4s^2 3d^{10} 4p^6 5s^2 4d^{10} 5p^6 6s^2 4f^{14} 5d^{10} 6p^6 7s^2 6d^1 5f^8$ |
|---|
| [Rn] $7s^2 6d^1 5f^8$ |




| | | |
|---|---|---|
| Atomic Radius: | 170 | pm |
| Electronegativity: | 1.3 | |
| First Ionization Energy: | 601 | kJ $mol^{-1}$ |

| Bi - Bismuth |
|---|

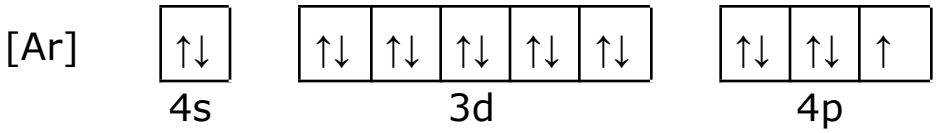
| $1s^2 2s^2 2p^6 3s^2 3p^6 4s^2 3d^{10} 4p^6 5s^2 4d^{10} 5p^6 6s^2 4f^{14} 5d^{10} 6p^3$ |
|---|
| [Xe] $6s^2 4f^{14} 5d^{10} 6p^3$ |




| | | |
|---|---|---|
| Atomic Radius: | 160 | pm |
| Electronegativity: | 2.02 | |
| First Ionization Energy: | 703 | kJ $mol^{-1}$ |

Br - Bromine

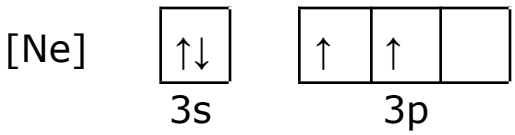
| |
|---|
| $1s^2 2s^2 2p^6 3s^2 3p^6 4s^2 3d^{10} 4p^5$ |
| [Ar] $4s^2 3d^{10} 4p^5$ |




| | | |
|---|---|---|
| Atomic Radius: | 115 | pm |
| Electronegativity: | 2.96 | |
| First Ionization Energy: | 1139.9 | kJ $mol^{-1}$ |

Si - Silicon

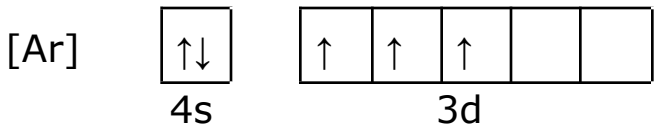
| $1s^2 2s^2 2p^6 3s^2 3p^2$ |
| --- |
| [Ne] $3s^2 3p^2$ |




| | | |
| --- | --- | --- |
| Atomic Radius: | 110 | pm |
| Electronegativity: | 1.9 | |
| First Ionization Energy: | 786.4 | kJ $mol^{-1}$ |

| Ni - Nickel |
|---|

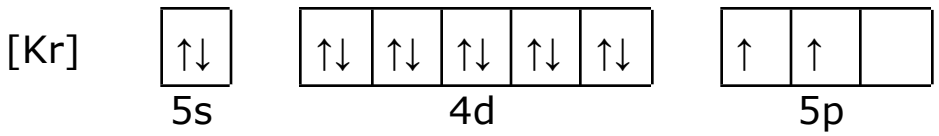
| $1s^2 2s^2 2p^6 3s^2 3p^6 4s^2 3d^8$ |
|---|
| [Ar] $5s^2 4d^3$ |




| | | |
|---|---|---|
| Atomic Radius: | 135 | pm |
| Electronegativity: | 1.91 | |
| First Ionization Energy: | 736.7 | kJ $mol^{-1}$ |

Sn - Tin

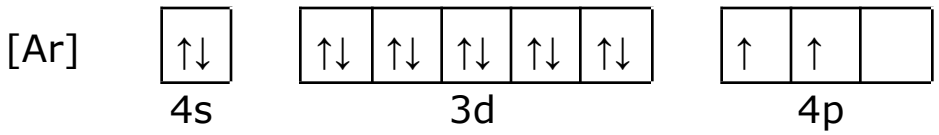
| $1s^2 2s^2 2p^6 3s^2 3p^6 4s^2 3d^{10} 4p^6 5s^2 4d^{10} 5p^2$ |
| --- |
| [Kr] $5s^2 4d^{10} 5p^2$ |




| | | |
| --- | --- | --- |
| Atomic Radius: | 140.5 | pm |
| Electronegativity: | 1.96 | |
| First Ionization Energy: | 708.6 | kJ $mol^{-1}$ |

Ge - Germanium

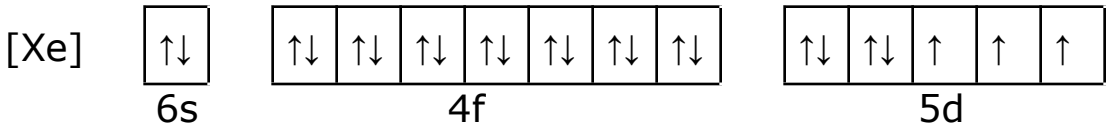
| $1s^2 2s^2 2p^6 3s^2 3p^6 4s^2 3d^{10} 4p^2$ |
| --- |
| [Ar] $4s^2 3d^{10} 4p^2$ |




| | | |
| --- | --- | --- |
| Atomic Radius: | 122.3 | pm |
| Electronegativity: | 2.01 | |
| First Ionization Energy: | 762.1 | kJ $mol^{-1}$ |

| Ir - Iridium |
|---|

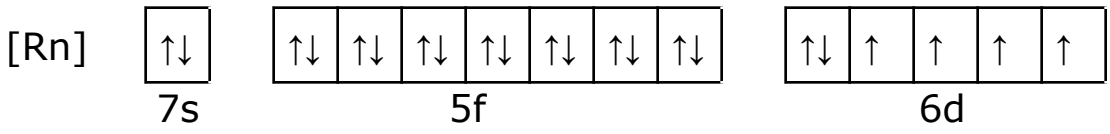
| $1s^2 2s^2 2p^6 3s^2 3p^6 4s^2 3d^{10} 4p^6 5s^2 4d^{10} 5p^6 6s^2 4f^{14} 5d^7$ |
|---|
| [Xe] $6s^2 4f^{14} 5d^7$ |




| | | |
|---|---|---|
| Atomic Radius: | 136 | pm |
| Electronegativity: | 2.2 | |
| First Ionization Energy: | 880 | kJ $mol^{-1}$ |

Hs - Hassium

| |
|---|
| $1s^2 2s^2 2p^6 3s^2 3p^6 4s^2 3d^{10} 4p^6 5s^2 4d^{10} 5p^6 6s^2 4f^{14} 5d^{10} 6p^6 7s^2 5f^{14} 6d^6$ |
| [Rn] $7s^2 5f^{14} 6d^6$ |




| | |
|---|---|
| Atomic Radius: | None |
| Electronegativity: | None |
| First Ionization Energy: | None |