ANSWERS: Electron configuration

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| --- | --- |
| Ni2+ | [Ar] 3d8 |
| Ga | [Ar] 3d10 4s2 4p1 |
| Fe3+ | 1s22s22p63s23p63d5 or [Ar] 3d5 |
| Cl | 1s2 2s2 2p6 3s2 3p5 |
| Zn | [Ar] 3d104s2 |
| Cr3+ | [Ar] 3d3 |
| Cu2+ | 1s22s22p63s23p63d9 |
| Se | [Ar]3d104s24p4  or 4s23d104p4 |
| V | [Ar]3d34s2  or 4s23d3 |
| Mg2+ | **1s22s22p63s2** |
| **As** | 1s22s22p63s23p63d104s24p3 |
| V3+ | 1s22s22p63s23p63d2 |
| **Ge** | [Ar] 3d104s24p2 |
| **Cu** | [Ar] 3d104s1 |
| **Cu+** | [Ar] 3d10 |
| **Fe** | [Ar] 3d6 4s2 |
| **Al** | [Ne] 3s23p1 |
| **Al3+** | **1s22s22p6** |
| **Na** | [Ne] 3s1 |
| **Ca** | [Ar] 4s2 |
| **Cr** | 1s22s22p63s23p63d54s1 |
| **Mn2+** | 1s22s22p63s23p63d5 |
| **Ca2+** | 1s22s22p63s23p6 |
| **Br** | 1s22s22p63s23p63d104s24p5 |
| **Fe2+** | 1s22s22p63s23p63d6 |
| **Sc** | [Ar] 3d14s2 |
| **Br-** | [Ar] 3d104s2 4p6 |
| **K** | 1s22s22p63s23p64s1 |
| **P3-** | **[Ne]3s2** |
| **Zn2+** | [Ar] 3d10 |
| **Mn** | 1s22s22p63s23p63d54s2 or [Ar] 3d54s2 |

**2017**

Ca2+ 1s22s22p63s23p6

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