

Orbitals and Configurations

Name: _____

correct order of orbital filling: $1s2s2p3s3p4s3d4p5s4d5p6s4f5d6p7s5f6d7p$

Part 1: Draw an orbital diagram for the electron distribution in the following atoms:

1) nitrogen

2) magnesium

3) iron

Part 2: Use electron configuration notation to write the following atoms' electronic structures:

4) fluorine

5) aluminum

6) zinc

7) bromine

8) platinum