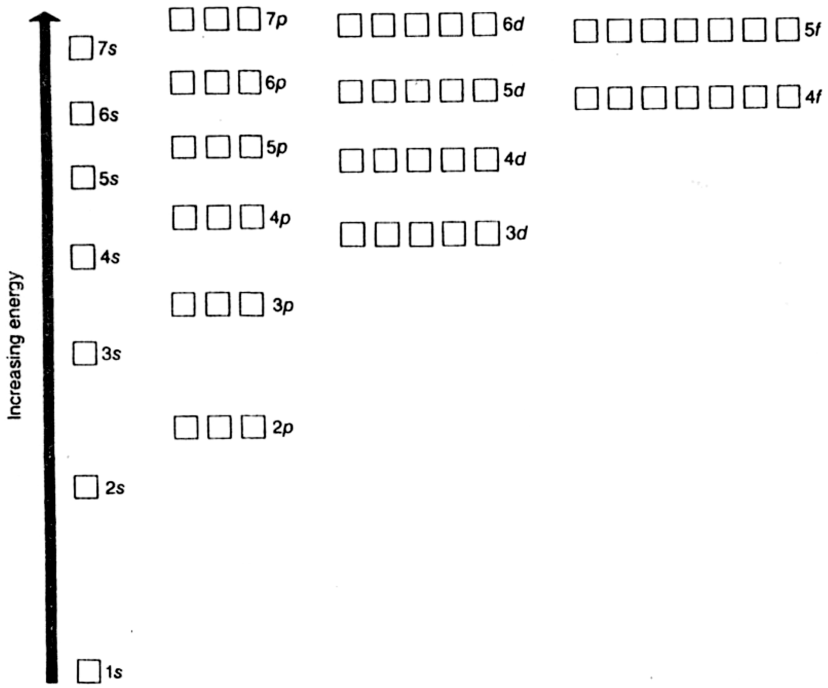
Electron Configurations

1) Use the Aufbau diagram to help write electron configurations for the following atoms:

Aluminum (Al)

Iodine (I)



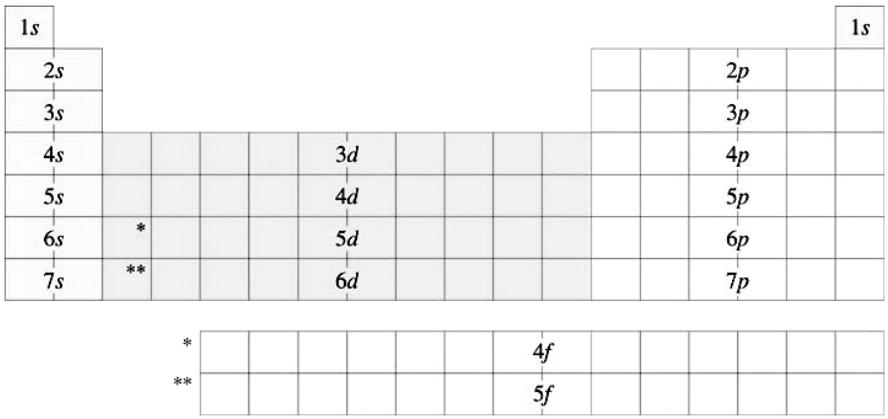
2) Use the diagram to the right and the appropriate diagonal arrows to help you write the lectron configuration for the following atoms:

Magnesium (Mg)

Osmium (Os)

1s
2s 2p
3s 3p 3d
4s 4p 4d 4f
5s 5p 5d 5f 5g
6s 6p 6d 6f 6g 6h
7s 7p 7d 7f 7g 7h 7i
8s 8p 8d 8f 8g 8h 8i 8j

3) Use the periodic table and the block designations on the right to determine the electron configurations for the following atoms:

Carbon (C)

Krypton (Kr)