

## CHEMISTRY ~ ELECTRON CONFIGURATION PRACTICE #3

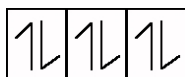
For each element...

- write the expected *condensed* (abridged or shortened) electron configuration
- write the *valence* electron configuration
- write how many electrons are in the valence shell
- draw the orbital “boxes” of the valence configuration, labeled and filled in with electron “arrows”

sample orbital boxes:



s (full)



p (full)

- 1) F
- 2) Ca
- 3) Zr
- 4) Sn
- 5) Xe
- 6) Hg
- 7) Fr
- 8) W
- 9) Be
- 10) He

Optional questions for more practice...

- 11) Ne
- 12) Se
- 13) At
- 14) Cm
- 15) Mg