

Orbital Diagrams & Electron Configurations

Practice Worksheet III

Learning Target

Explain how sublevels of principal energy levels differ.

List the three rules for writing the electron configurations of elements

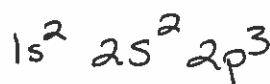
For each of the elements below:

- Write the element symbol
- Number of electrons
- Orbital Diagram
- Electron configuration

1. Nitrogen

element symbol (N)

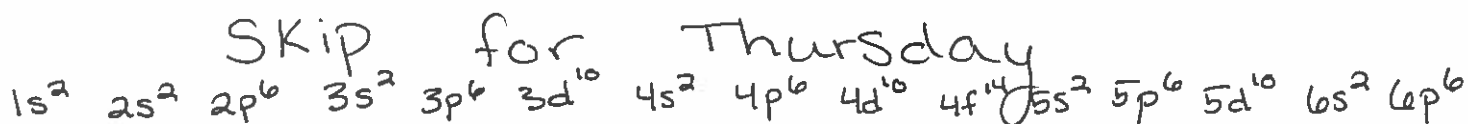
of electrons 7



2. Radon

element symbol (Rn)

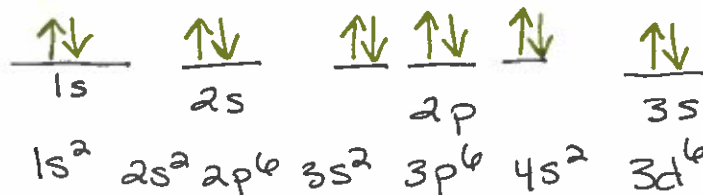
of electrons 88



3. Iron

element symbol (Fe)

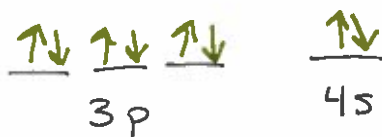
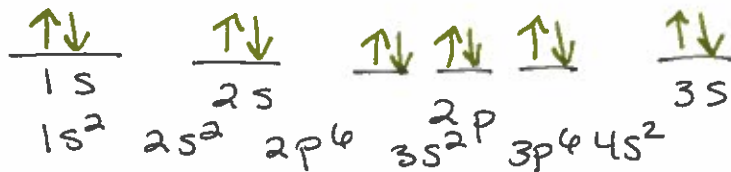
of electrons 26



4. Calcium

element symbol (Ca)

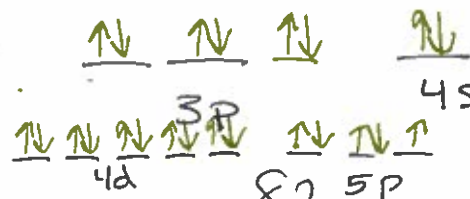
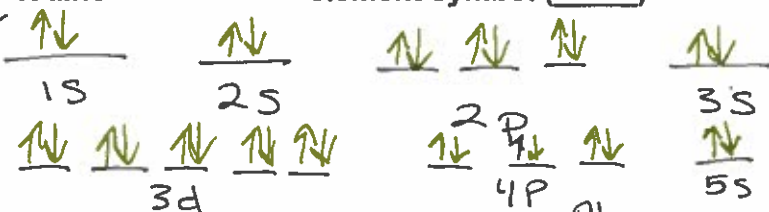
of electrons 20



5. Iodine

element symbol (I)

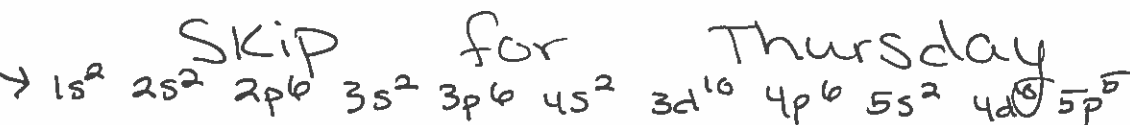
of electrons 53



6. Lead

element symbol (Pb)

of electrons 82



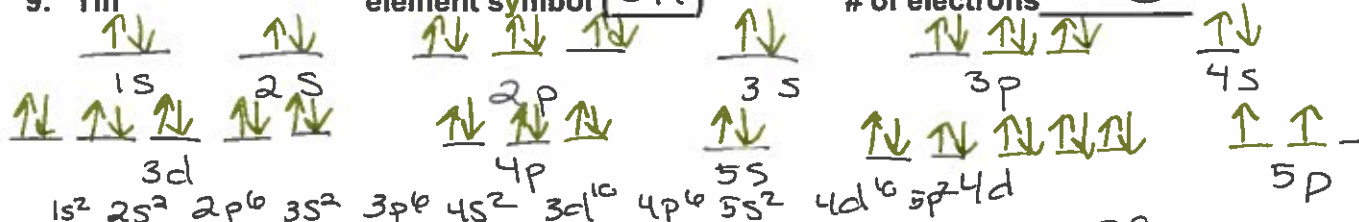
7. Uranium element symbol (U) # of electrons 92

SKIP for ~~Thursday~~ Thursday

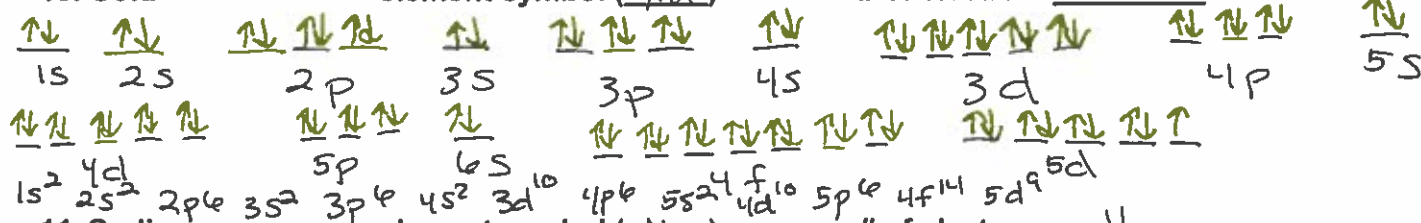
8. Lithium element symbol (Li) # of electrons 3



9. Tin element symbol (Sn) # of electrons 50



10. Gold element symbol (Au) # of electrons 79



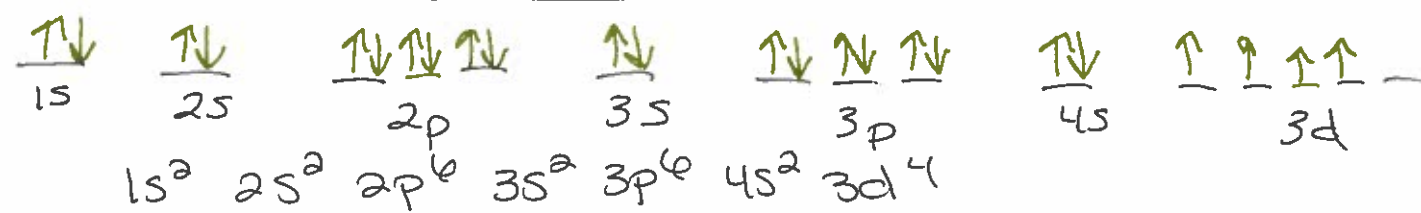
11. Sodium element symbol (Na) # of electrons 11



12. Hydrogen element symbol (H) # of electrons 1



13. Chromium element symbol (Cr) # of electrons 24



14. Potassium element symbol (K) # of electrons 19

