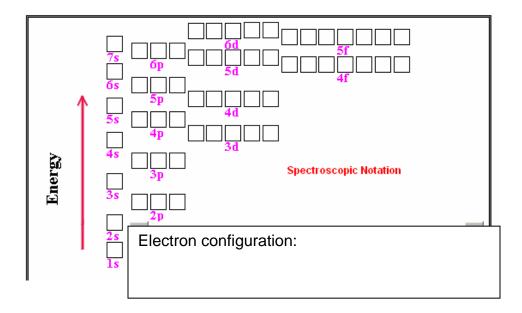
Chapter 6.8 – 6.9 Electron Configuration/PT Lecture Worksheet

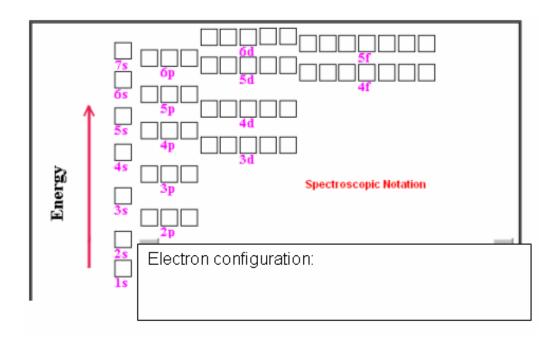
## **Writing Electron Configurations and Drawing Orbital Diagrams**

**Directions:** You are responsible for writing the electron configurations and drawing orbital diagrams for any element that contains **ONLY** s and p orbitals. We will not examine the d and f block elements due to the promotion principle.

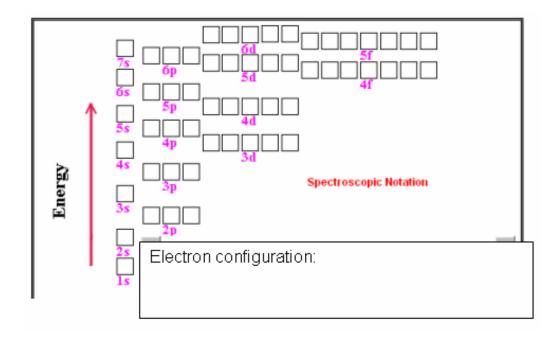
1. Draw the electron configuration configuration and orbital diagram for: **Hydrogen** 



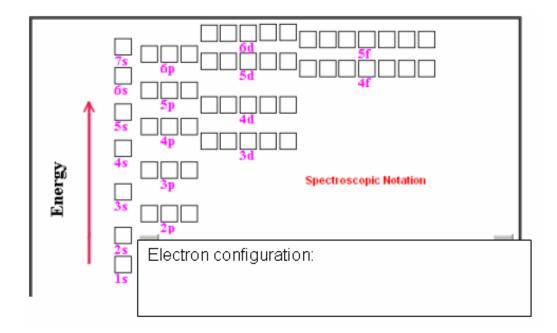
2. Draw the electron configuration configuration and orbital diagram for: Nitrogen



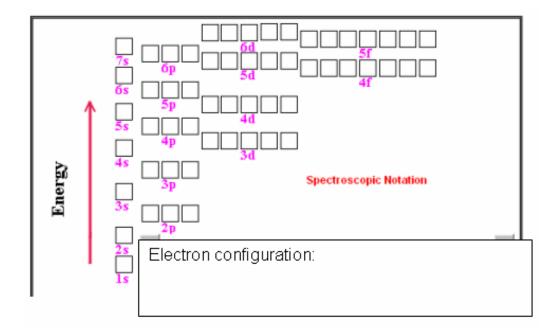
3. Draw the electron configuration configuration and orbital diagram for: Potassium



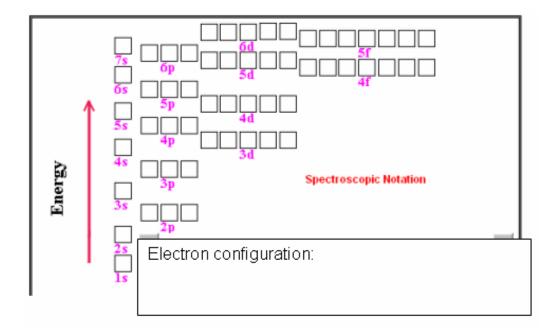
4. Draw the electron configuration configuration and orbital diagram for: Sulfur



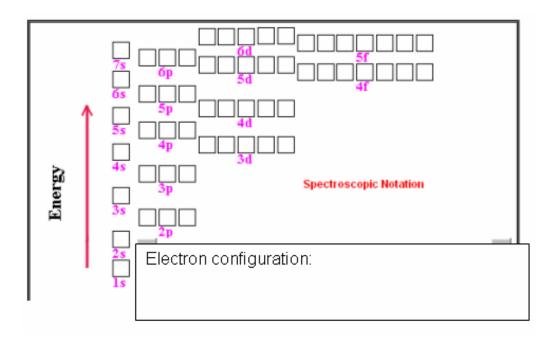
5. Draw the electron configuration configuration and orbital diagram for: calcium



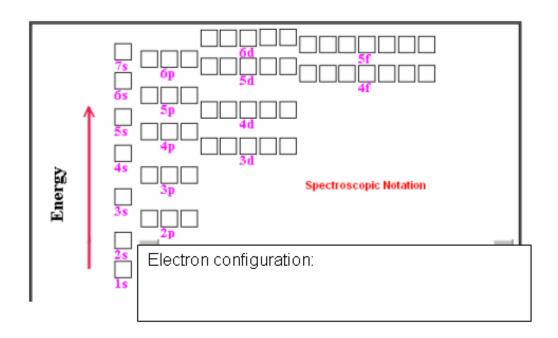
6. Draw the electron configuration configuration and orbital diagram for: Bromine



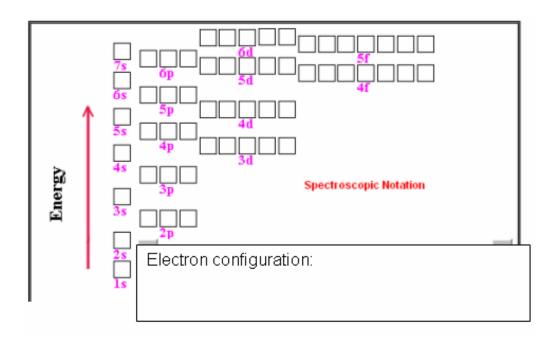
7. Draw the electron configuration configuration and orbital diagram for: **Sodium** 



8. Draw the electron configuration configuration and orbital diagram for: helium



9. Draw the electron configuration configuration and orbital diagram for: **Strontium** 



10. Draw the electron configuration configuration and orbital diagram for: carbon

