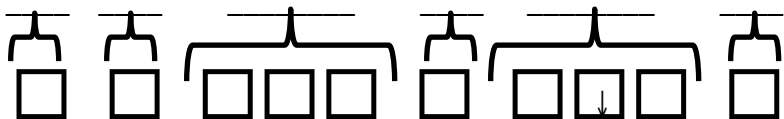


1. Review the following terms and principles with your group.

Aufbau Principle	Hund's Rule	Pauli Principle

2. Label the subshell designation **above all the orbital boxes** and each m_l value **below all the orbital boxes**.



← subshell designation

← magnetic quantum number

3. What are the four quantum numbers for the 15th electron in an atom?

ans: _____

3. Give the electron configuration by filling, by shell and by core notation for the following:

S: _____

Cr: _____

Ag⁺: _____

Review:

Solutions of hydrochloric acid, lead (II) nitrate, potassium acetate, and sodium bromide are mixed. Find the NIE's. **Make sure to include all states.**