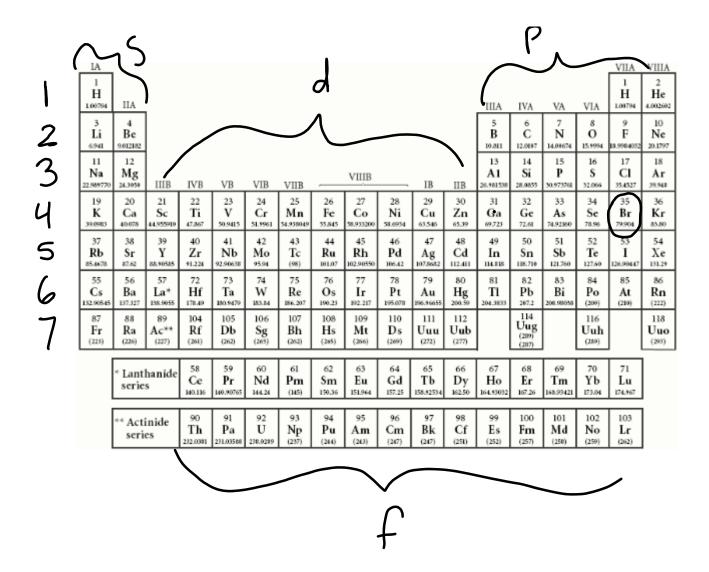
Bell Ringer #13

- 1. Sketch the diagonal rule.
- 2. What is the aufbau principle?
- 3. Write orbital notation for fluorine.
- 4. Write orbitial notation for magnesium.
- 5. By knowing about the placement of electrons, we can understand more about why certain elements veact and why they have certain physical and chanical properties.

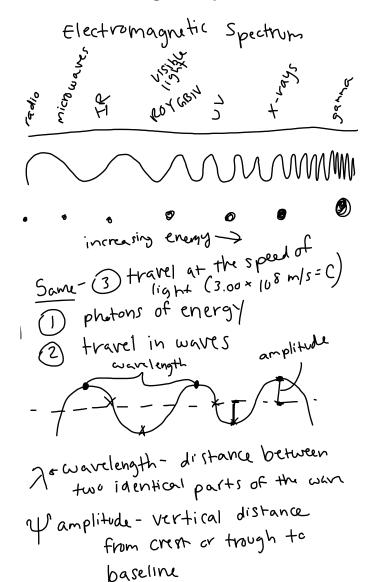


electron configuration

P
$$15^2 2s^2 2p^6 3s^2 3p^3$$

ca $1s^2 2s^2 2p^6 3s^2 3p^6 4s^2$

Br



frequency - # of wavelengths that
pass a point in a second

different different warrlengths/freguncies

anounts of energy