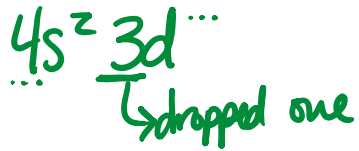
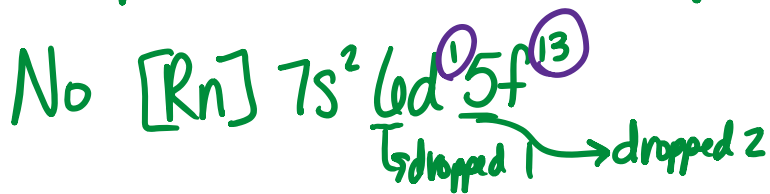


Atypical Configurations... The weirdies

- The d block "drops" one energy level

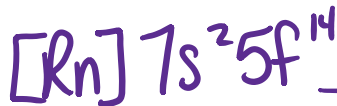
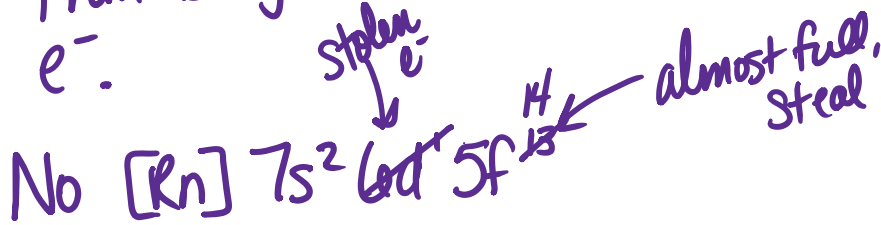


- The f block drops 2 energy levels

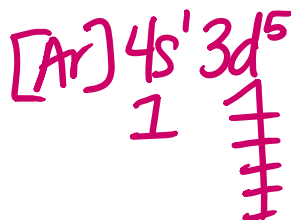
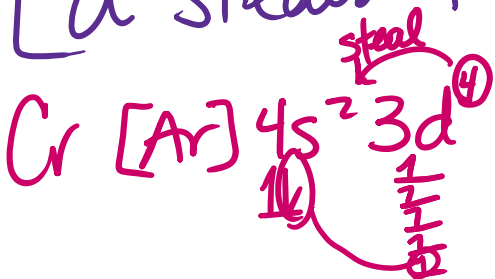


- Bullies!

d + f orbitals, if they are 1 e⁻ away from being 1/2 full or full, they steal e⁻.



f steals from d
d steals from s



Hafnium

Noble gas config^t spin



Gold

