

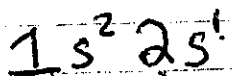
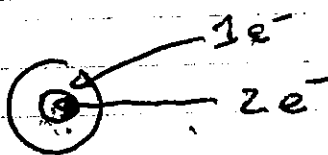
8/15/17

Day 9

$$\frac{4.27 \times 10^{-8}}{(6.02 \times 10^{23})(2.72 \times 10^{-4})} = \boxed{2.61 \times 10^{-28}}$$

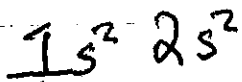
$$\frac{(6.02 \times 10^{23})(2.72 \times 10^{-4})}{4.27 \times 10^{-8}} = \boxed{3.83 \times 10^{27}}$$

${}^3\text{Li}$



Electron Configuration

${}^4\text{Be}$



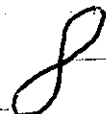
p-orbits



x-axis



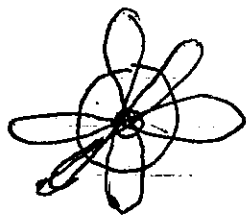
y-axis



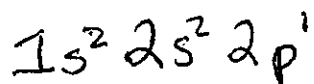
z-axis



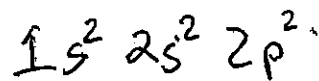
Day 9 cont



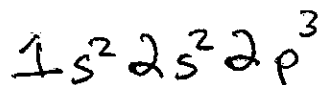
$5B$



$6C$



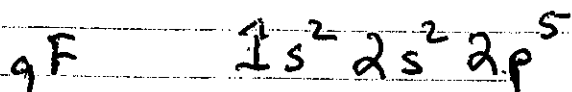
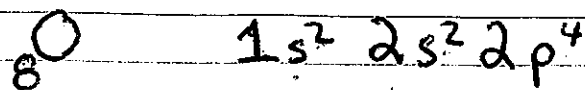
$7N$



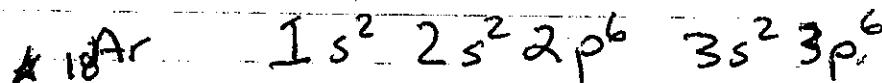
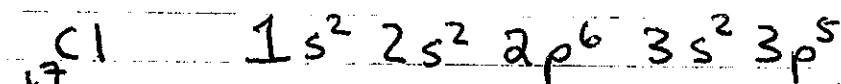
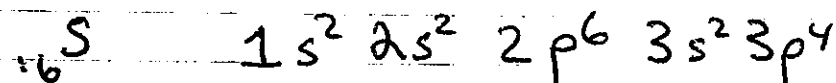
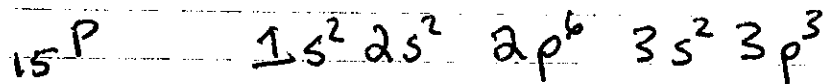
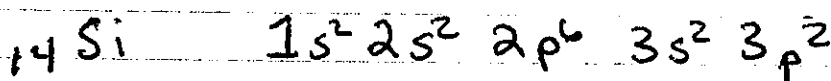
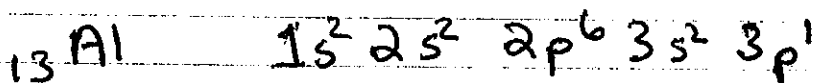
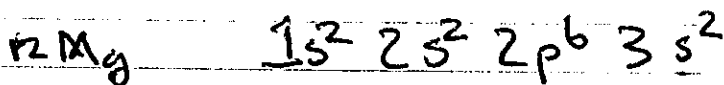
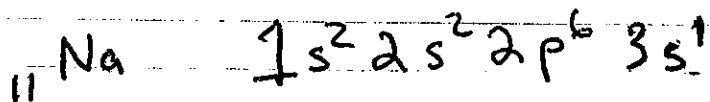
8/16/17

Day 10

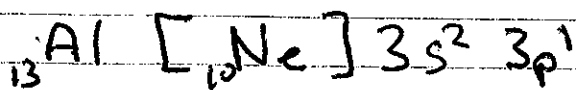
Electron Config. Continued



six is as
high as it
goes for p



How to abbreviate



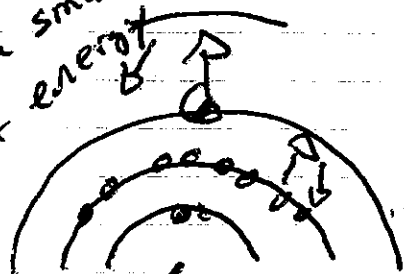
↑ Group 18 element

on the row - 1 - 12

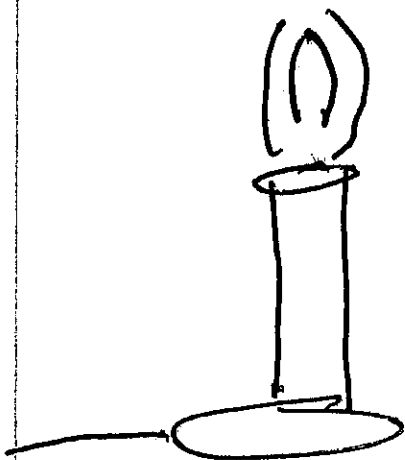
Day 10 cont.

Flame Test lab

photon = a small
bundle of energy



Na

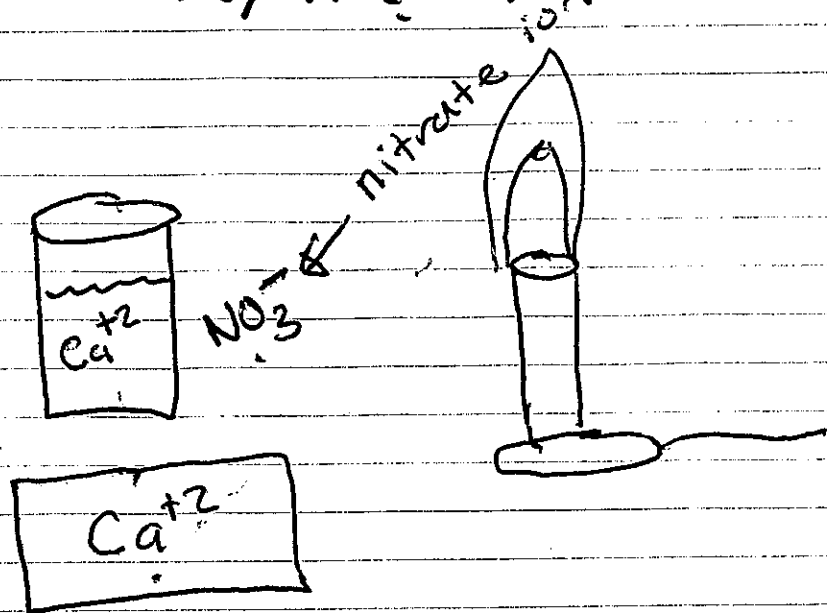


Ground State \bar{E} where
the electrons
are normally at.

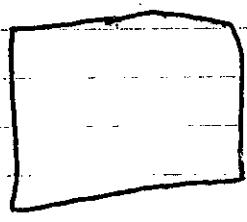
Excited State \bar{E}
when e^- jump
to a higher level

8/17/17 & 8/18/17

Day 11 & Day 12



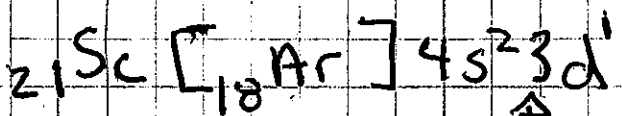
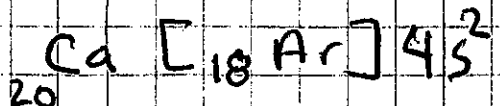
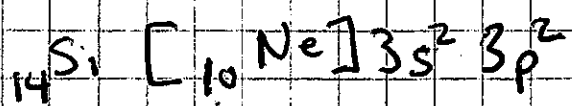
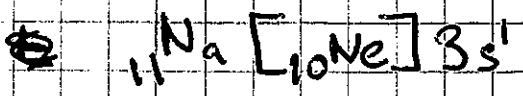
qualitative \equiv no $\#$ s



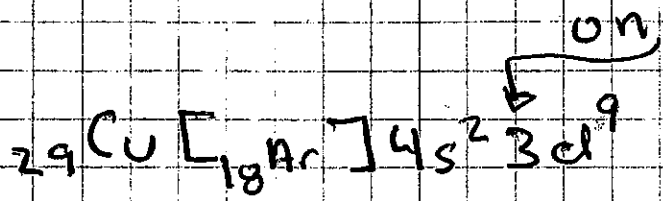
Cobalt blue glass

Day 13 August 21, 2017

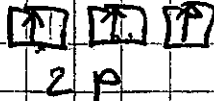
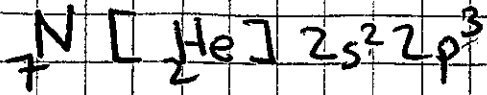
Electron Config. Abb.



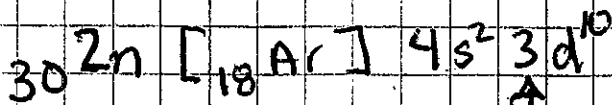
↑ An energy level lower than the period that it is on



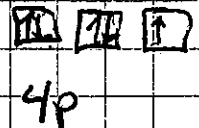
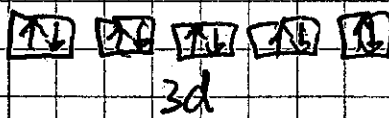
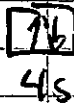
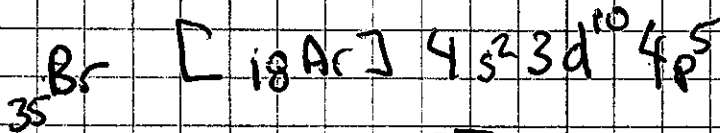
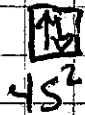
Day 14 8/22/17



orbital
filling
diagram

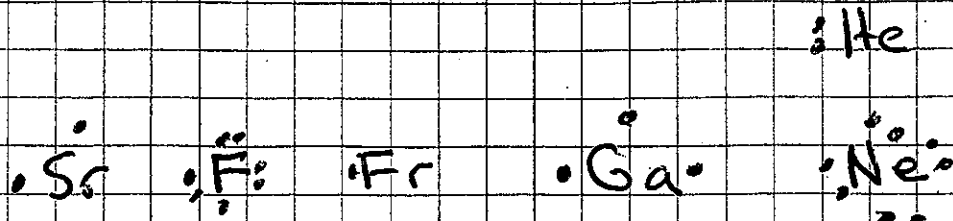


see ~~2~~ yesterday's notes



Day 15

8/23/17



all of the d's get
two dots

