Name:					
Date: _					
	Electron Configuration/Orbital Diagrams/Noble Gas Notation				
Write the <u>orbital notations</u> , <u>electron configurations</u> , and <u>noble gas notation</u> for atoms of the following elements:					
1)	Ni				
·					
2)	Al				
3)	Se				
4)	В				
5)	0				
6)	1				

Name:						
Date: _						
	Electron	Configuration/Orbital	Diagrams/Noble Gas	Notation		
Extra (	Credit 1:					
Write t	the <u>orbital notations</u> , <u>elect</u> nts:	ron configurations, and	d <u>noble gas notation</u> fo	r atoms of the following		
1)	F-					
2)	Ca <sup>2+</sup>					
Extra (	Credit 2:					
1) How many protons, electrons, and neutrons in the atom: <b>Zn</b>						
2)	2) Demonstrate the following decays for the atom below:					
233 92	8 U <b>→</b> alpha decay	beta decay	beta decay	alpha decay		
Solve t	the following: (round to th	ne appropriate significa	nt figures)			
1)	1) Given $\lambda = 3.5 \text{ x } 10^{-8} \text{m}$ , solve for $\nu$					

Calculate the atomic mass of silicon (Si). The three silicon isotopes have atomic masses and relative abundances of 27.9769 amu (92.2297%), 28.9765 amu (4.6832%) and 29.9738 amu (3.0872%).