Electron Configuration Test

Name_Kex

	Period	Date
Write the complete electron configuration for the following elements.		
1) Fe 1522527p6 352 3p6 452 3d6		
2) Ca 152 252 2p6 352 3p6 452		
3) AS 1522522p63523p64523d104p65514d	110 PALA	ved ford9
Write the noble gas configuration for the following elements.		15
4) Br [Ar] -452 30 104 p5 5) PO [Xe] -652 461450106p 6) MO [X	1555.40	
7) a) Write the orbital diagram for selenium (Se). The last of	5 +4p)	
9) What is the maximum number of electrons that each of the following sublevels can hold	?	
s_2 p_6 d_10 f_14		
10) How many unpaired electrons are in the last sublevel of phosphorous?		
11) How many electrons are in the outermost <u>energy level</u> of arsenic (As) <u>5</u> (5 & P)	
12) Using the electron configurations, identify the following elements:		
[Ar] $4s^23d^6$		
13) Electrons that are closer to the nucleus have less energy than those further from the n	ucleus. (rue	False