Name :	 Date:	
Score :		



Electron Configuration



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1. Determine what elements are denote	ed by the followi	ng configuratior	is.
i. 1s ² 2s ² 2p ⁶ 3s ² 3p ⁴			
ii. 1s² 2s² 2p6 3s² 3p6 4s² 3d5			
iii. 1s² 2s² 2p ⁶ 3s² 3p ⁶ 4s² 3d¹¹ 4p ⁶			
iv. [Kr] 5s ² 4d ¹⁰ 5p ³			
v. [Ne] 3s ² 3p ¹			
2. Write the full electron configuration	(ex., 1s ² 2s ¹) of th	ne following eler	nents?
i. Nitrogen			
ii. Silicon			
iii. Calcium			
iv. Strontium			
v. Bismuth			
3. Write the abbreviated electron config	guration (ex., [He	e] 2s¹) of the follo	owing element?
i. Fluorine			
ii. Magnesium			
iii. Selenium			
iv. Rubidium			
v. Lead			
4. If each orbital can hold a maximum of following hold?	of two electrons,	how many can e	each of the
i. 2s ii. 5p iii.	4f iv	. 3d	v. 4d
5. What is the shape of an s orbital?			
6. What is the shape of a p orbital?			