

Want to describe where ALL the e- in an atom were?		Ste 1.	Steps to finding all the electrons  1. Pick an:		
Shrink it down and only list: 1.					-
2.		2.	Find the number of:		
3.		3.	Start putting electrons into the:		
Example:		4.	Use an:		
		5.	List which:	yay yad an	1
				you used and	נ
				electrons in	
			each one		
Rules for putting electrons in an orbital diagram:					
1. Aufbau Principle	2. Pauli Exclusion Principle		rinciple_	3. Hunds Rule	
An electron occupies the lowest energy orbital that it can.	No two e <sup>-</sup> s in the same atom can have the same set of 4 quantum numbers			Orbitals of equal energy are eac occupied by one e <sup>-</sup> before any orbital is occupied by a second e	
Means:	Means:			Means:	
Some Terms You Might Hear					
	orbitals 2s	y x	2p 2p	shell	
subshells "Energy Level" "Orbital Type/Shape" N-10					